



University of Agriculture, Faisalabad

Bidding Documents

Tender No.64/2023

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.64/2023)

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, Glassware and Equipment** (in accordance with the bidding document) for the Department of Chemistry at University of Agriculture, Faisalabad.

Date of Receiving and Opening	09.06.2023	Receiving Time	11:00 a.m.
		Opening Time	11:30 a.m.
		Bid Security	2% of the Estimated Cost
		Tender Fee	Rs.500/-
			(Free, if Download)
* Link for free Download: http://uaf.edu.pk/directorates/dpiv/dpiv_tenders.html			

1. The prospective bidder may download the bidding document carrying all details free of cost at the *link mentioned above or may have bidding document from the **Directorate of Procurement & Inventory Control (DPIC), 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). The bidders shall drop the bids in the Tender Box or sent through Courier as per schedule. The bids will be opened at **DPIC** as per date & time mentioned above.

2. 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.

Note: The bid must be dropped in the Tender Box available in Director Room and not to be handed over to any person of the Directorate if the bid is sent by in person or through post, the same instructions be passed on to the Courier.

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

Section II.

Instructions to Bidders

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Instructions to Bidders

A. Introduction

1. Source of Funds

2. Eligible Bidders

3. Eligible Goods and Services

4. Cost of Bidding

University of Agriculture, Faisalabad.

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.

3.1 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.

4.1 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:

•

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.

•

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.

- 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

In case the bidder, is unable to provide CDR in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported, may chose this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note **within fortnight** to initiate the LC on usance basis (minimum usance period 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading).

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

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.

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.

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.

22.4

The Purchaser will prepare minutes of the bid opening.
23. Clarification of Bids

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.
24. Preliminary Examination

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.

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.

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.

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 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 | <p>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 by.</p> <p>33.2 The notification of award will constitute the formation of the Contract.</p> <p>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.</p> <p>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.</p> |
| 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 | <p>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.</p> <p>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. <u>The purchaser can also purchase at risk and cost of the 1st lowest bidder (from 2nd lowest bidder or from market).</u></p> |
| 36. Corrupt or Fraudulent Practices | <p>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;</p> <p>(a) the terms set forth below as follows:</p> <p style="padding-left: 40px;">(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</p> <p style="padding-left: 40px;">(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</p> |

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

(1) A procuring agency may, for a specified period debar a bidder or contractor from participating in any public procurement process of the procuring agency, if the bidder or contractor has:

- (a) acted in a manner detrimental to the public interest or good practices;
- (b) consistently failed to perform his obligation under the contract;
- (c) not performed the contract up to the mark; or
- (d) indulged in any corrupt practice

2. If a procuring agency debars a bidder or contractor under sub-rule (1), the procuring agency;

- (a) shall forward the decision to the Authority for publication on the website of the Authority; and
- (b) may request the Authority to debar the bidder or contractor for procurement of all procuring agencies.

(3) The Managing Director PPRA, Punjab may debar a bidder or contractor of any procuring agency from participating in any public procurement process of all or some of the procuring agencies for such period as the Managing Director may determine.

(4) Any person aggrieved by a declaration made under rule 20 or a decision under sub-rule (1) of this rule may, within thirty days from the date of the publication of the information on the website of the Authority, file a representation before the Managing Director and the Managing Director may pass such order on the representation as he may deem fit.

(5) Any person or procuring agency aggrieved by an order under sub-rule (3) or (4) may, within thirty days of the order, file a representation before the Chairperson and the Chairperson may pass such order on the representation as it may deem appropriate.

(6) The mechanism or process for barring a bidder or contractor from participating in procurement process of a procuring agency, procuring agencies and a representation under this rule is specified in the Appendix-1

Appendix - I

Subject: **MECHANISM OF BLACKLISTING**

BLACKLISTING MECHANISM OR PROCESS

1. The procuring agency may, on information received from any resource, issue show cause notice to a bidder or contractor.
2. The show cause notice shall contain:
 - (a) precise allegation, against the bidder or contractor;
 - (b) the maximum period for which the procuring agency proposes to debar the bidder or contractor from participating in any public procurement of the procuring agency; and
 - (c) the statement, if needed, about the intention of the procuring agency to make a request to the Authority for debarring the bidder or contractor from participating in public procurements of all the procuring agencies.
3. The procuring agency shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice.
4. In case, the bidder or contractor fails to submit written reply within the requisite time, the procuring agency may issue notice for personal hearing to the bidder or contractor/ authorize representative of the bidder or contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.
5. In case the bidder or contractor submits written reply of the show cause notice, the procuring agency may decide to file the matter or direct issuance of a notice to the bidder or contractor for personal hearing.
6. The procuring agency shall give minimum of seven days to the bidder or contractor for appearance before the specified officer of the procuring agency for personal hearing.
7. The procuring agency shall decide the matter on the basis of the available record and personal hearing of the bidder or contractor, if availed.
8. The procuring agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.
9. The procuring agency shall communicate to the bidder or contractor the order of debarring the bidder or contractor from participating in any public procurement with a statement that the bidder or contractor may, within thirty days, prefer a representation against the order before the Managing Director of the Authority.
10. The procuring agency shall, as soon as possible, communicate the order of blacklisting to the Authority with the request to upload the information on its website.
11. If the procuring agency wants the Authority to debar the bidder or contractor from participating in any public procurement of all procuring agencies, the procuring agency shall specify reasons for such dispensation.

12. The Authority shall immediately publish the information and decision of blacklisting on its website.

13. In case of request of a procuring agency under para 11 or representation of any aggrieved person under rule 21 of UAF Procurement Rules 2014, the Managing Director shall issue a notice for personal hearing to the parties and call for record of proceedings of blacklisting. The parties may file written statements and documents in support of their contentions.

14. In case of representation of any aggrieved person or procuring agency under rule 21 of UAF Procurement Rules 2014, the Chairperson shall issue a notice for personal hearing to the parties and may call for the record of the proceedings. The parties may file written statements and documents in support of their contentions.

15. In every order of blacklisting under rule 21 of UAF Procurement Rules 2014, the procuring agency shall record reasons of blacklisting and also reasons for short, long or medium period of blacklisting.

16. The Authority shall upload all the decisions under rule 21 of UAF Procurement Rules 2014, available with it, on its website. But the name of a bidder or contractor shall immediately be removed from the list of blacklisted persons on expiry of period of blacklisting or order of the competent authority to that effect, whichever is earlier.

17. An effort shall be made for electronic communication of all the notices and other documents pursuant to this mechanism or process.

37.1 The bidder shall provide undertaking that the firm not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan.

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	Purchaser's address: Dr. Muhammad Zahid, Associate Professor, Department of Chemistry THROUGH Directorate of Procurement & Inventory Control (DPIC) University of Agriculture, Faisalabad Phone No. 041-9200898 <u>FOR TECHNICAL RESPONSE:</u> 1. Dr. Muhammad Zahid, Associate Professor, Department of Chemistry 2. Dr. Muhammad Asif Hanif, Associate Professor, Department of Chemistry 3. Dr. Yasir Jamil, Associate Professor, Department of Physics
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)	Qualification requirements attached with Technical Bid:- 1. Company /Bidder Profile: 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. Copy of Valid Professional Tax or previous year g. Submission of undertaking that the firm not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan

ITB 15.1	<u>Amount of bid security:</u> 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
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. Directorate of Procurement & Inventory Control (DPIC), University of Agriculture, Faisalabad (UAF)
ITB 18.2 (b)	Tender Notice No. 64/2023
ITB 19.1	Deadline for bid submission: 09.06.2023
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)	The bidder will provide :- 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. **If the vendor fail to replace or alter the goods as tendered specifications within stipulated period given by Enduser then the goods may be purchased at risk and cost of the first lowest bidder (from 2nd lowest bidder or from market).**
- 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 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 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 months from the day of supply of the respective good(s) or fully consumed whichever is earlier.

- C. Failure of the successful bidder to comply with the above requirement 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).**

2. **Inspection and Tests (GCC Clause 8)**

GCC 8.1- By the concerned purchaser 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:

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, GST and other taxes to be paid at any stage within and outside Pakistan whatsoever 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 as security equal to 100% amount of the goods **within fortnight** in favor of Director (DPIC) to initiate the LC at sight.

ii. LC ON USANCE BASISs

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order and CDR as security equal to 100% amount of the goods to be imported and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note **within fortnight** to initiate the LC on usance basis (minimum usance period 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading).

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 as security equal to 100% amount of the goods **within fortnight** in favor of Director (DPIC) 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 taxes, duties etc., 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, Usance basis 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 12s weeks from the date of opening of LC (at sight or**

usage 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:s

- i. In case of late submission of Proforma Invoice, shipping documents and delivery of goods, 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.
- ii. In case of C&F/CPT exchange rate of NBP shall be freezed on the date of financial opening. The differential amount on higher side shall be deposited into concerned project account or University Account. If the rate on higher side of vice-versa, the UAF will pay the difference amount to vendor out of project / UAF account.

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 upto0.67% 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 redresal 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. Muhammad Zahid, Associate Professor,
Department of Chemistry | (Member) |
| iii. | Resident Auditor or the Technical Expert(s)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 15 days

LIST OF EQUIPMENT

Sr. #	Item	Quantity	Estimated Cost
01.	pH Meter	01-No.	70,000/-E
02.	Orbital Shaker	01-No.	125,000/E
03.	Polarimeter	02-No.	50,000/-
04.	Water Distillation	01-No.	240,000/-E
05.	Bench Top Digital Abbe Refractometer	01-No.	70,000/-E
06.	Quartz Heating Rod for Water Distillation Pobel-710	02-Nos	70,000/-
07.	Top Loading Balance	03-Nos	45,000/-
08.	Hot Plates with Magnetic Stirrer	01-No	75,000/-E
09.	Digital Stainless Steel Water Bath	01-No	129,900/-E
10.	Overhead Stirrer	01-No	70,000/-E

LIST OF CHEMICALS

Sr. #	Name of Chemicals	CAS #.	Quantity	Estimated Cost
01.	Arginine Solution	74-79-3,	01-L	3000
02.	2,2-diphenyl-1-picryl-hydrazyl-hydrate (DPPH)	1898-66-4	01-G	5000
03.	Acetic Acid	64-19-7	2.5-L	2000
04.	Acetone	67-64-1	2.5-L	2000
05.	Acetonitrile	75-05-08	01-L	3000
06.	Acrylamide	79-06-1	01-KG	4000
07.	Albumin	9048-46-8)	01-KG	3000
08.	Alpha Amylase	9000-90-2	25-G	3500
09.	Alumina	1344-28-1	01-KG	3000
10.	Aluminum Nitrate	7784-27-2	01-KG	2000
11.	Ammonia	1336-21-6	2.5-L	1200
12.	Ammonium dihydrogen phosphate	7722-76-1	01-KG	2000
13.	Ammonium Floride	12125-01-8	01-KG	2500
14.	Ammonium met vanadate	7803-55-6	01-KG	2500
15.	Ammonium Per Sulfate	7727-54-0	01-KG	3000
16.	Ammonium Thiocyanate	1762-95-4	01-KG	2500
17.	Anhydrous dipotassium monohydrogen orthophosphate K2HPO4	7758-11-4	01-KG	2500
18.	Anhydrous monopotassium dihydrogen orthophosphate KH2PO4	7778-77-0	01-KG	2300
19.	Antimony Chloride	10025-91-9	01-KG	3000
20.	Ascorbic Acid	50-81-7	01-KG	900
21.	Aspartame	22839-47-0	01-KG	2000
22.	Barium Nitrate	10022-31-8	01-KG	2500
23.	Bateine	590-46-5	01-KG	3000
24.	Benzoquinone	106-51-4	01-KG	2500
25.	Beteine hydrochloride	[590-46-5]	01-KG	3000
26.	Bis (2-ethylhexyl) amine	106-20-7,	01-KG	3500

27.	Bismith	7440-69-9	01-KG	2000
28.	Bismuth Nitrate pentahydrate	10035-06-0	01-KG	1500
29.	C ² HCl ³ O ²	76-03-9	01-KG	2500
30.	Cadmium chloride	10108-64-2	01-KG	3000
31.	Cadmium nitrate hexahydrate	10022-68-1	01-KG	900
32.	Calcium nitrate tetrahydrate	13477-34-4	01-KG	1100
33.	Casein	9000-71-9,	01-KG	3500
34.	Cerium nitrate hexahydrate	10294-41-4	01-KG	2500
35.	Chitosan	9012-76-4	500-G	3500
36.	Chromium III nitrate nonahydrate	7789-02--8	01-KG	4000
37.	Chromium sulfate decahydrate	10031-37-5	01-KG	2500
38.	Chromium Sulfate Monohydrate	10101-53-8	01-KG	2500
39.	Chromium sulfate pentahydrate	13520-66-6	01-KG	3000
40.	Citric acid anhydrous	77-92-9	01-KG	1200
41.	Cobalt Chloride hexahydrate	7791-13-1	01-KG	2700
42.	Cobalt Nitrate hexahydrate	10026-22-9	01-KG	3000
43.	Cobalt Sulfate heptahydrate	10026-24-1	01-KG	3800
44.	Cobalt(II) acetate tetrahydrate	6147-53-1	01-KG	2500
45.	Collagen	9007-34-5	01-KG	2200
46.	Concentrated Nitric Acid	7697-37-2	2.5-L	2000
47.	Copper (II) Acetate	6046-93-1	01-KG	1200
48.	Copper II Nitrate	13778-31-9	01-KG	3000
49.	Copper Nitrate Trihydrate	10031-43-3	01-KG	3500
50.	Copper Sulfate Pentahydrate	7758-99-8	01-KG	3500
51.	CTAB (Cytlytrimethyl ammonium bromide)	57-90-0	01-KG	3000
52.	Curcumin	458-37-7	01-KG	2000
53.	Cysteine	52-90-4	01-KG	3000
54.	Dichloromethane	75-09-2	01-L	4000
55.	Dipropylene Glycol LO+ (DPG LO+)	25265-71-8	01-KG	3000
56.	DMAB(di-methyl amino benzaldehyde)	100-10-7	500-ml	3000
57.	Emulsifying wax	67762-27-0	01-KG	2500
58.	Ethanol amine	141-43-5	01-L	3000
59.	Ethylene Glycol	107-21-1	01-KG	3000
60.	Ethylene Glycol	7791-13-1	2.5-L	4000
61.	Ethylenediaminetetraacetic acid (EDTA)	6381-92-6	01-KG	2000
62.	Ferric nitrate nanohydrate	7782-61-8	01-KG	2000
63.	Ferrous Sulfate heptahydrate	7782-63-0	01-KG	3000
64.	Folic acid	59-30-3	100-ml	3000
65.	Formic Acid	64-18-6	01-KG	3000
66.	Fructose	57-48-7,	01-KG	3500
67.	Gelatin	9000-70-8	01-KG	3000
68.	Glacial Acetic Acid	64-19-7	2.5-L	2000
69.	Glucose	50-99-7	01-KG	1200
70.	Glutamic Acid	56-86-0	01-KG	2000
71.	Glutamine	56-85-9	01-KG	2500
72.	Glycine	56-40-6	2.5-L	4000
73.	Glyoxylic acid	563-96-2	01-KG	3000
74.	Godolinium Nitrate hexahydrate	19598-90-4	01-KG	2500
75.	Graphite powder	7782-42-5	01-KG	2500
76.	Graphitic Carbon	143334-20-7	01-KG	2300
77.	Hydrazine	302-01-2	500-ml	3000
78.	Hydrochloric Acid	7647-01-0	2.5-L	900
79.	Hydrogen Peroxide	7722-84-1	2.5-L	2000
80.	Hydroxylamine Hydrochloride	5470-11-1	01-L	2500
81.	Hydroxypropyl methylcellulose (HPMC)	9004-65-3	01-KG	3000
82.	Iron (III) nitrate nonahydrate	7782-61-8	01-KG	2500

83.	Iron Chloride (anhydrous)	7705-08-0	01-KG	3000
84.	Iron II sulfate heptahydrate	7782-63-0	01-KG	3500
85.	Iron Sulfide	1317-37-9	01-KG	2000
86.	Iron chloride hexahydrate `	10025-77-1	01-KG	1500
87.	Isopropanol	67-63-0	2.5-L	2500
88.	Potassium Thiocyanate	333-20-0	01-KG	3000
89.	L.cysteine	52-90-4	01-KG	900
90.	Lead acetate	1335-32-6	01-KG	1100
91.	Lead nitrate	10099-74-8	01-KG	3500
92.	Linolenic acid	463-40-1	01-KG	2500
93.	Magnesium nitrate hexahydrate	13446-18-9	01-KG	3500
94.	Malic acid	6915-15-7	01-KG	2000
95.	Maltose	6363-53-7	01-KG	2500
96.	Manganese nitrate hexahydrate	17141-63-8	01-KG	2500
97.	Melamine	108-78-1	01-KG	2000
98.	Mercuric nitrate	10045-94-07783-34-8	01-KG	1200
99.	Methanol	67-56-1	01-KG	2700
100.	Methyl Chloride	74-87-3	01-KG	2000
101.	Methyl Paraben	99-76-3	01-KG	3000
102.	N,N methylene bisacrylamide	110-26-9	01-KG	2000
103.	Nafion	66796-30-3	01-KG	2200
104.	Nickel Acetate tetrahydrate	6018-89-9	01-KG	2000
105.	Nickel chloride	7718-54-9	01-KG	1200
106.	Nickel Chloride hexahydrate	7791-20-0	01-KG	3000
107.	Nickel nitrate hexahydrate	13478-00-7	01-KG	3500
108.	Nickel sulphate hexahydrate	10101-97-0	01-KG	3500
109.	Nikel Acetate tetrahydrate	10213-10-2	01-KG	4000
110.	Ninhydrine	485-47-2	01-KG	2000
111.	Nitric acid	7697-37-2	01-KG	3000
112.	Nitro blue tetrazolium (NBT)	298-83-9	01-KG	5000
113.	Nitroprusside	13755-38-9	01-KG	5000
114.	Nutrient Agar	9002-18-0	01-KG	2000
115.	Nutrient Broth	105443	01-KG	2500
116.	Orcinol	504-15-4	01-KG	3000
117.	Paraffin Oil	8012-95-1	01-KG	3000
118.	p- dimethylaminobenzaldehyde [DMAB]	100-10-7	01-KG	9000
119.	Pentahydrate	7758-99-8	01-KG	2000
120.	Phenlyalanine	63-91-2	500-ml	2000
121.	Phenyl hydrazine	100-63-0	500-ml	2000
122.	Phosphate Buffer	7758-11-4	01-KG	3000
123.	Phosphoric acid	7664-38-2	01-KG	3000
124.	Polycarpolactone Diol	36890-68-3	01-L	3500
125.	Polyethylene Glycol	25322-68-3	2.5-L	2000
126.	Polyvinyl alcohol	9002-89-5	01-KG	2000
127.	Polyvinylpyrrolidone (PVP)	9003-39-8	01-KG	1200
128.	Potassium dichromate (K2Cr2O7)	7778-50-9	01-KG	2000
129.	Potassium Hydroxide	1310-58-3	01-KG	1500
130.	Potassium oxide	12136-45-7	01-KG	1500
131.	Potassium permanganate	7722-64-7	01-KG	3000
132.	Potassium tartrate	6381-59-5	01-KG	2500
133.	Potato dextrose agar	110130	01-KG	2500
134.	Propyl paraben	94-13-3	01-KG	2300
135.	Propylene glycol	57-55-6	01-KG	1500
136.	Resorcinol	108-46-3,	01-KG	900
137.	Rosalic acid powder	603-45-2	01-KG	2000
138.	Chitosan	9012-76-4	01-KG	2500
139.	Silica	7361-86-9	01-KG	1500
140.	Silver Chloride	7783-90-6	01-KG	1200

141.	Silver Nitrate	7761-88-8	25-G	2500
142.	Snack skin dialysis membrane	Thermofisher	01-KG	3500
143.	Sodium Alginate	9005-38-3	01-KG	2000
144.	Sodium Anisate	356-45-8	01-KG	1500
145.	Sodium Borohydride	16940-66-2	01-KG	2500
146.	Sodium Carbonate	497-19-8	01-KG	1500
147.	Sodium Carboxymethyl cellulose (CMC)	9004-32-4	01-KG	2000
148.	Sodium Chlorite	7758-19-2	01-KG	1100
149.	Sodium Citrate,	6132-04-3.	01-KG	2500
150.	Sodium Dodecyl Sulfate	151-21-3	01-KG	2500
151.	Sodium Hydroxide	1310-73-2	01-KG	1200
152.	Sodium levulinate	19856-23-6	01-KG	5000
153.	Sodium nitrate	7631-99-4	01-KG	2000
154.	Sodium Oxalate	62-76-0	01-KG	2500
155.	Sodium oxide	1313-59-3	01-KG	2000
156.	Sodium phosphate dibasic heptahydrate	7782-85-6	01-KG	1200
157.	Sodium phosphate Monobasic Monohydrate	10049-21-5	01-KG	2000
158.	Sodium plumbate	52623-79-7	01-KG	2000
159.	Sodium sulfide	1313-82-2	01-KG	1500
160.	Sodium Tungstate dihydrate	10213-10-2	01-KG	2500
161.	Soft white paraffin	8002-74-2	01-KG	1500
162.	Soy Phosphatidylcholine	97281-47-5	01-KG	2000
163.	Strontium Nitrate	10042-76-9	01-KG	1200
164.	Sucrose	57-50-1	01-KG	2000
165.	Sulphuric Acid (Analytical grade)	7664-93-9	01-KG	2500
166.	Thiophene	110-02-1	01-KG	2500
167.	Thiourea	62-56-6	01-KG	3000
168.	Tin Chloride	7772-99-8	01-KG	2000
169.	Tin Chloride pentahydrate	10026-06-9	01-KG	2000
170.	Tin Sulphate	7488-55-3	01-KG	3000
171.	Tin (IV) Nitrate	13826-70-5	01-KG	5000
172.	Titanium (IV) isopropoxide	546-68-9	01-KG	3000
173.	Titanium nitrate	13859-62-6	01-KG	2500
174.	Titanium Oxide	13463-67-7	01-KG	4000
175.	Trichloroacetic acid	76-03-9	01-KG	3000
176.	Triethylamine	121-44-8	01-KG	6000
177.	Tris Base	77-86-1	01-KG	2000
178.	Tyrosine	60-18-4	01-KG	2000
179.	Urea	57-13-6	01-KG	1000
180.	Vanadium pentoxide V2O5	1314-62-1	01-KG	5000
181.	Vanadyl nitrate	16017-37-1	01-KG	3000
182.	Zinc Acetate	127-19-5	01-KG	3500
183.	Zinc Acetate dihydrate	5970-45-6	01-KG	3000
184.	Zinc Nitrate hexahydrate	10196-18-6	01-KG	2000
185.	Zinc sulphate heptahydrate	7446-20-0	01-KG	1200
186.	Zirconium chloride octahydrate	13520-92-8	01-KG	2000
187.	Zirconium nitrate pentahydrate	13986-27-1	01-KG	2500
188.	Polyglyceryl-4-oleate	9007-48-1, 71012-10-7	01-KG	3000
189.	Para-phenylenedimine C6H4(NH2)2	106-50-3	01-KG	2000
190.	Reactive Yellow 39	12226-61-8	25-G	2000
191.	PEG 60 Ethoxylated hydrogenated caster	61788-85-0	01-KG	2000
192.	Polyoxyethylene sorbitan monooleate (Tween 80)	9005-65-6	500-ml	2300
193.	Sorbitol	50-70-4	500-ml	3000

LIST OF GLASSWARE

SR. #	NAME OF CHEMICALS	QUANTITY	ESTIMATED COST	TOTAL AMOUNT
1.	Beaker 100ml	20-Nos	200/-E	4000
2.	Beaker 250ml	20-Nos	300/-E	6000
3.	Beaker 500ml	20-Nos	450/-E	9000
4.	Beaker 1000ml	20-Nos	650/-E	13000
5.	Burette 50ml	10-Nos	1200/-E	12000
6.	Buckner Funnel	05-Nos	700/-E	3500
7.	Conical Flask 100ml	20-Nos	300/-E	6000
8.	Conical Flask 250ml	20-Nos	450/-E	9000
9.	Conical Flask 500ml	10-Nos	650/-E	6500
10.	Conical Flask 1000ml	10-Nos	800/-E	8000
11.	Filter Paper Sheet 82grm	04-Pkt	4000/-Pkt	16000
12.	Funnel 75mm	20-Nos	180/-E	3600
13.	Falcon Tube 15ml	20-Nos	30/-E	600
14.	Glass Rod	20-Nos	50/-E	1000
15.	Magnet Bar	20-Nos	225/-E	4500
16.	Petri Dish (Large)	20-Nos	225/-E	4500
17.	pH Paper	05-Pkt	1200/-Pkt	6000
18.	Pipette Sucker	15-Nos	500/-E	7500
19.	Pipette 1ml	12-Nos	150/-E	1800
20.	Pipette 5ml	12-Nos	200/-E	2400
21.	Pipette 10ml	12-Nos	250/-E	3000
22.	Postal Mortal	06-Nos	1100/-E	6600
23.	Regent Bottles 100ml	12-Nos	150/-E	1800
24.	Regent Bottles 250ml	12-Nos	300/-E	3600
25.	Regent Bottles 500ml	12-Nos	480/-E	5760
26.	Regent Bottles 1000ml	12-Nos	550/-E	6600
27.	Round Bottom Flask 250ml One Neck 24/29, 19/26	06-Nos	1200/-E	7200
28.	Round Bottom Flask 500ml One Neck 24/29, 19/26	06-Nos	1600/-E	9600
29.	Reflux Condenser 24/29	06-Nos	1200/-E	7200
30.	Soxlet Apparatus	06-Nos	3000/-E	18000
31.	Screw Cap Bottle 100ml	20-Nos	275/-E	5500
32.	Screw Cap Bottle 250ml	20-Nos	375/-E	7500
33.	Screw Cap Bottle 500ml	20-Nos	425/-	8500
34.	Screw Cap Bottle 1000ml	15-Nos	900/-E	13500
35.	Spatula	20-Nos	90/-E	1800
36.	Tungs	20-Nos	100/-E	2000
37.	Volumetric Flask 50ml	20-Nos	300/-E	6000
38.	Volumetric Flask 100ml	20-Nos	350/-E	7000
39.	Volumetric Flask 500ml	20-Nos	450/-E	9000
40.	Volumetric Flask 1000ml	15-Nos	950/-E	14250

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.

Sr. #	Item	Specification
01.	pH Meter	Measurement Range: 0 to14.00 pH.EC 0-6000 µS/cm, TDS 0 to 3000 ppm (mg/L); Resolution – pH: 0.1 pH, EC 10 µs/cm, TDS 10 ppm (mg/L); Accuracy (@20°C/68°F) - pH ±0.1 pH, EC ±2% F.S. TDS ±2% F.S. with 3-in-1 electrode to make accurate measurements auto endpoint, auto self-diagnosis. UK, USA, Europe.
02.	Orbital Shaker	Speed Range: 50-350rpm, Shaking orbit: 10-30mm, Capacity: 250ml×12, Time range: 1min to 99h59min or continuous, Max load: upto 05kg, Shaking Motion Orbital, Operation, Continuous/Timed, Voltage: 220V, 50/60Hz.
03.	Polarimeter	Measurement Range -180°~+180°, Division Value1°, Dial Venire Value in Reading 0.05°, Magnifying Factor of the Magnifying Glass 4X, Monochromatic Light Source, Sodium Lamp: 589.44 nm, Length of Test Tube, 100 mm and 200 mm, Power Supply 220 V.
04.	Water Distillation	Capacity (Liters/hr): 4.2, Conductivityat20 °C*1 µS / cm Water consumption (l/min)1, Consumption(W)1 x 3000, Heater: Quartz, Voltage (V) 220, Intensity(A)13 Automatic flow switch protection. UK, USA, Europe
05.	Bench Top Digital Abbe Refractometer	Display: Digital, Measurement range Refractive index nD: 1.3000-1.7000Measurement range dissolved solids Brix: 0-100%, Accuracy refractive index nD: ≤ + 0.0002, Accuracy Dissolved Solids Brix: + ≤ 0.1%Temperature Resolution: 0.1°C, Temperature Range (Min 0.1°C): 0.-50°CCorrecting Range of Brix Versus Temperature: 15-45°C,Usage Temperature Range: Ambient to 35°C, UK, USA, Europe
06.	Quartz Heating Rod for Water Distillation Pobel-710	Quartz heating rod for Pobel-710 water distillation, heater-P721548 spare quartz heater water distiller 220V, 3000W consumption (W)-1x3000 UK, USA, Europe
07.	Top Loading Balance	Digital Microprocessor Controlled, Capacity: 610 g, Readability: 10mg (0.01g), Tare range: 610 gm, Pan size (dia): 127 x 140 mm Stainless steel, Weighing Units: g, kg, ct, pound, ounce, troy ounce, grain, pennyweight, Hong Kong tael, Singapore tael, Taiwan tael, tical, tola, RS232, Backlit LCD, Adjustable Feet and Level Bubble, Battery & AC operation, AC adapter included
08.	Hot Plates with Magnetic Stirrer	Fixed safety circuit of 550 °C Hot Top indicator >> hot surface warning to prevent burns! Capacity: 15 Litres or higher Heat Output: 1500W Heating Temperature Range: 50 – 500 °C Heat Control: LED Heat Control accuracy: 10 ±K Fixed Safety Circuit: 550 °C Set-up Plate Material: Ceramic Top plate Dimensions: 260 x 260 mm (10“ x 10“) Dimension (WxHxD): 300x105x415 mm Voltage: 220VAC, 50Hz. Protection class according to DIN EN 60529 IP 21 C-MAG HS 10 Hotplate with Magnetic Stirrer ETS-D5 Digital Thermometer H 16 V Support rod H 38 Holding rod H 44 Boss head clamp And Stirring Bar and Operating Instructions. UK, USA, Europe

09.	Digital Stainless Steel Water Bath	Reservoir Capacity (L) 10, Max Temperature (° C) 99.9 Min Temperature (° C) Ambient 5, Temperature Stability (°C)±0.5°C, High-Temperature Cutoff Yes, Working Area Width (in) 12, Working Area Length (in) 12 ¾, Working Area Depth (in) 7, Temperature Control Digital, Drain Valve Yes, Wetted Materials Stainless steel, Power (VAC) 220, Power (Hz) 50, Description Digital Water Bath, stainless steel, 10 L, 220 VAC UK, USA, Europe
10.	Overhead Stirrer	Display window: rpm and time, Speed range: 50-2200 rpm Speed control accuracy: +3 rpm, Time range: 30~999 min, Max. stirring capacity (H2O): 40 l, UK, USA, Europe

LIST OF CHEMICALS

Sr. #	Name of Chemicals	CAS #.	Quantity
01.	Arginine Solution	74-79-3,	01-L
02.	2,2-diphenyl-1-picryl-hydrazyl-hydrate (DPPH)	1898-66-4	01-G
03.	Acetic Acid	64-19-7	2.5-L
04.	Acetone	67-64-1	2.5-L
05.	Acetonitrile	75-05-08	01-L
06.	Acrylamide	79-06-1	01-KG
07.	Albumin	9048-46-8)	01-KG
08.	Alpha Amylase	9000-90-2	25-G
09.	Alumina	1344-28-1	01-KG
10.	Aluminum Nitrate	7784-27-2	01-KG
11.	Ammonia	1336-21-6	2.5-L
12.	Ammonium dihydrogen phosphate	7722-76-1	01-KG
13.	Ammonium Floride	12125-01-8	01-KG
14.	Ammonium met vanadate	7803-55-6	01-KG
15.	Ammonium Per Sulfate	7727-54-0	01-KG
16.	Ammonium Thiocyanate	1762-95-4	01-KG
17.	Anhydrous dipotassium monohydrogen orthophosphate K2HPO4	7758-11-4	01-KG
18.	Anhydrous monopotassium dihydrogen orthophosphate KH2PO4	7778-77-0	01-KG
19.	Antimony Chloride	10025-91-9	01-KG
20.	Ascorbic Acid	50-81-7	01-KG
21.	Aspartame	22839-47-0	01-KG
22.	Barium Nitrate	10022-31-8	01-KG
23.	Bateine	590-46-5	01-KG
24.	Benzoquinone	106-51-4	01-KG
25.	Beteine hydrochloride	[590-46-5]	01-KG
26.	Bis (2-ethylhexyl) amine	106-20-7,	01-KG
27.	Bismith	7440-69-9	01-KG
28.	Bismuth Nitrate pentahydrate	10035-06-0	01-KG
29.	C ² HCl ³ O ²	76-03-9	01-KG
30.	Cadmium chloride	10108-64-2	01-KG
31.	Cadmium nitrate hexahydrate	10022-68-1	01-KG
32.	Calcium nitrate tetrahydrate	13477-34-4	01-KG
33.	Casein	9000-71-9,	01-KG
34.	Cerium nitrate hexahydrate	10294-41-4	01-KG
35.	Chitosan	9012-76-4	500-G
36.	Chromium III nitrate nonahydrate	7789-02--8	01-KG
37.	Chromium sulfate decahydrate	10031-37-5	01-KG
38.	Chromium Sulfate Monohydrate	10101-53-8	01-KG
39.	Chromium sulfate pentahydrate	13520-66-6	01-KG
40.	Citric acid anhydrous	77-92-9	01-KG

41.	Cobalt Chloride hexahydrate	7791-13-1	01-KG
42.	Cobalt Nitrate hexahydrate	10026-22-9	01-KG
43.	Cobalt Sulfate heptahydrate	10026-24-1	01-KG
44.	Cobalt(II) acetate tetrahydrate	6147-53-1	01-KG
45.	Collagen	9007-34-5	01-KG
46.	Concentrated Nitric Acid	7697-37-2	2.5-L
47.	Copper (II) Acetate	6046-93-1	01-KG
48.	Copper II Nitrate	13778-31-9	01-KG
49.	Copper Nitrate Trihydrate	10031-43-3	01-KG
50.	Copper Sulfate Pentahydrate	7758-99-8	01-KG
51.	CTAB (Cetyltrimethyl ammonium bromide)	57-90-0	01-KG
52.	Curcumin	458-37-7	01-KG
53.	Cysteine	52-90-4	01-KG
54.	Dichloromethane	75-09-2	01-L
55.	Dipropylene Glycol LO+ (DPG LO+)	25265-71-8	01-KG
56.	DMAB(di-methyl amino benzaldehyde)	100-10-7	500-ml
57.	Emulsifying wax	67762-27-0	01-KG
58.	Ethanol amine	141-43-5	01-L
59.	Ethylene Glycol	107-21-1	01-KG
60.	Ethylene Glycol	7791-13-1	2.5-L
61.	Ethylenediaminetetraacetic acid (EDTA)	6381-92-6	01-KG
62.	Ferric nitrate nanohydrate	7782-61-8	01-KG
63.	Ferrous Sulfate heptahydrate	7782-63-0	01-KG
64.	Folic acid	59-30-3	100-ml
65.	Formic Acid	64-18-6	01-KG
66.	Fructose	57-48-7,	01-KG
67.	Gelatin	9000-70-8	01-KG
68.	Glacial Acetic Acid	64-19-7	2.5-L
69.	Glucose	50-99-7	01-KG
70.	Glutamic Acid	56-86-0	01-KG
71.	Glutamine	56-85-9	01-KG
72.	Glycine	56-40-6	2.5-L
73.	Glyoxylic acid	563-96-2	01-KG
74.	Godolinium Nitrate hexahydrate	19598-90-4	01-KG
75.	Graphite powder	7782-42-5	01-KG
76.	Graphitic Carbon	143334-20-7	01-KG
77.	Hydrazine	302-01-2	500-ml
78.	Hydrochloric Acid	7647-01-0	2.5-L
79.	Hydrogen Peroxide	7722-84-1	2.5-L
80.	Hydroxylamine Hydrochloride	5470-11-1	01-L
81.	Hydroxypropyl methylcellulose (HPMC)	9004-65-3	01-KG
82.	Iron (III) nitrate nonahydrate	7782-61-8	01-KG
83.	Iron Chloride (anhydrous)	7705-08-0	01-KG
84.	Iron II sulfate heptahydrate	7782-63-0	01-KG
85.	Iron Sulfide	1317-37-9	01-KG
86.	Iron chloride hexahydrate `	10025-77-1	01-KG
87.	Isopropanol	67-63-0	2.5-L
88.	Potassium Thiocyanate	333-20-0	01-KG
89.	L.cysteine	52-90-4	01-KG
90.	Lead acetate	1335-32-6	01-KG
91.	Lead nitrate	10099-74-8	01-KG
92.	Linolenic acid	463-40-1	01-KG
93.	Magnesium nitrate hexahydrate	13446-18-9	01-KG
94.	Malic acid	6915-15-7	01-KG
95.	Maltose	6363-53-7	01-KG
96.	Manganese nitrate hexahydrate	17141-63-8	01-KG
97.	Melamine	108-78-1	01-KG
98.	Mercuric nitrate	10045-94-07783-34-8	01-KG
99.	Methanol	67-56-1	01-KG

100	Methyl Chloride	74-87-3	01-KG
101	Methyl Paraben	99-76-3	01-KG
102	N,N methylene bisacrylamide	110-26-9	01-KG
103	Nafion	66796-30-3	01-KG
104	Nickel Acetate tetrahydrate	6018-89-9	01-KG
105	Nickel chloride	7718-54-9	01-KG
106	Nickel Chloride hexahydrate	7791-20-0	01-KG
107	Nickel nitrate hexahydrate	13478-00-7	01-KG
108	Nickel sulphate hexahydrate	10101-97-0	01-KG
109	Nikel Acetate tetrahydrate	10213-10-2	01-KG
110	Ninhydrine	485-47-2	01-KG
111	Nitric acid	7697-37-2	01-KG
112	Nitro blue tetrazolium (NBT)	298-83-9	01-KG
113	Nitroprusside	13755-38-9	01-KG
114	Nutrient Agar	9002-18-0	01-KG
115	Nutrient Broth	105443	01-KG
116	Orcinol	504-15-4	01-KG
117	Paraffin Oil	8012-95-1	01-KG
118	p-dimethylaminobenzaldehyde [DMAB]	100-10-7	01-KG
119	Pentahydrate	7758-99-8	01-KG
120	Phenlyalanine	63-91-2	500-ml
121	Phenyl hydrazine	100-63-0	500-ml
122	Phosphate Buffer	7758-11-4	01-KG
123	Phosphoric acid	7664-38-2	01-KG
124	Polycarpolactone Diol	36890-68-3	01-L
125	Polyethylene Glycol	25322-68-3	2.5-L
126	Polyvinyl alcohol	9002-89-5	01-KG
127	Polyvinylpyrrolidone (PVP)	9003-39-8	01-KG
128	Potassium dichromate (K2Cr2O7)	7778-50-9	01-KG
129	Potassium Hydroxide	1310-58-3	01-KG
130	Potassium oxide	12136-45-7	01-KG
131	Potassium permanganate	7722-64-7	01-KG
132	Potassium tartrate	6381-59-5	01-KG
133	Potato dextrose agar	110130	01-KG
134	Propyl paraben	94-13-3	01-KG
135	Propylene glycol	57-55-6	01-KG
136	Resorcinol	108-46-3,	01-KG
137	Rosalic acid powder	603-45-2	01-KG
138	Chitosan	9012-76-4	01-KG
139	Silica	7361-86-9	01-KG
140	Silver Chloride	7783-90-6	01-KG
141	Silver Nitrate	7761-88-8	25-G
142	Snack skin dialysis membrane	Thermofisher	01-KG
143	Sodium Alginate	9005-38-3	01-KG
144	Sodium Anisate	356-45-8	01-KG
145	Sodium Borohydride	16940-66-2	01-KG
146	Sodium Carbonate	497-19-8	01-KG
147	Sodium Carboxymethyl cellulose (CMC)	9004-32-4	01-KG
148	Sodium Chlorite	7758-19-2	01-KG
149	Sodium Citrate,	6132-04-3.	01-KG
150	Sodium Dodecyl Sulfate	151-21-3	01-KG
151	Sodium Hydroxide	1310-73-2	01-KG
152	Sodium levulinate	19856-23-6	01-KG
153	Sodium nitrate	7631-99-4	01-KG
154	Sodium Oxalate	62-76-0	01-KG
155	Sodium oxide	1313-59-3	01-KG
156	Sodium phosphate dibasic heptahydrate	7782-85-6	01-KG
157	Sodium phosphate Monobasic Monohydrate	10049-21-5	01-KG
158	Sodium plumbate	52623-79-7	01-KG
159	Sodium sulfide	1313-82-2	01-KG

160	Sodium Tungstate dihydrate	10213-10-2	01-KG
161	Soft white paraffin	8002-74-2	01-KG
162	Soy Phosphatidylcholine	97281-47-5	01-KG
163	Strontium Nitrate	10042-76-9	01-KG
164	Sucrose	57-50-1	01-KG
165	Sulphuric Acid (Analytical grade)	7664-93-9	01-KG
166	Thiophene	110-02-1	01-KG
167	Thiourea	62-56-6	01-KG
168	Tin Chloride	7772-99-8	01-KG
169	Tin Chloride pentahydrate	10026-06-9	01-KG
170	Tin Sulphate	7488-55-3	01-KG
171	Tin (IV) Nitrate	13826-70-5	01-KG
172	Titanium (IV) isopropoxide	546-68-9	01-KG
173	Titanium nitrate	13859-62-6	01-KG
174	Titanium Oxide	13463-67-7	01-KG
175	Trichloroacetic acid	76-03-9	01-KG
176	Triethylamine	121-44-8	01-KG
177	Tris Base	77-86-1	01-KG
178	Tyrosine	60-18-4	01-KG
179	Urea	57-13-6	01-KG
180	Vanadium pentoxide V2O5	1314-62-1	01-KG
181	Vanadyl nitrate	16017-37-1	01-KG
182	Zinc Acetate	127-19-5	01-KG
183	Zinc Acetate dihydrate	5970-45-6	01-KG
184	Zinc Nitrate hexahydrate	10196-18-6	01-KG
185	Zinc sulphate heptahydrate	7446-20-0	01-KG
186	Zirconium chloride octahydrate	13520-92-8	01-KG
187	Zirconium nitrate pentahydrate	13986-27-1	01-KG
188	Polyglyceryl-4-oleate	9007-48-1, 71012-10-7	01-KG
189	Para-phenylenedimine C6H4(NH2)2	106-50-3	01-KG
190	Reactive Yellow 39	12226-61-8	25-G
191	PEG 60 Ethoxylated hydrogenated caster	61788-85-0	01-KG
192	Polyoxyethylene sorbitan monooleate (Tween 80)	9005-65-6	500-ml
193	Sorbitol	50-70-4	500-ml

LIST OF GLASSWARE

SR. #	NAME OF CHEMICALS	QUANTITY
1.	Beaker 100ml	20-Nos
2.	Beaker 250ml	20-Nos
3.	Beaker 500ml	20-Nos
4.	Beaker 1000ml	20-Nos
5.	Burette 50ml	10-Nos
6.	Buckner Funnel	05-Nos
7.	Conical Flask 100ml	20-Nos
8.	Conical Flask 250ml	20-Nos
9.	Conical Flask 500ml	10-Nos
10.	Conical Flask 1000ml	10-Nos
11.	Filter Paper Sheet 82gm	04-Pkt
12.	Funnel 75mm	20-Nos
13.	Falcon Tube 15ml	20-Nos
14.	Glass Rod	20-Nos
15.	Magnet Bar	20-Nos
16.	Petri Dish (Large)	20-Nos
17.	pH Paper	05-Pkt
18.	Pipette Sucker	15-Nos
19.	Pipette 1ml	12-Nos

20.	Pipette 5ml	12-Nos
21.	Pipette 10ml	12-Nos
22.	Postal Mortal	06-Nos
23.	Regent Bottles 100ml	12-Nos
24.	Regent Bottles 250ml	12-Nos
25.	Regent Bottles 500ml	12-Nos
26.	Regent Bottles 1000ml	12-Nos
27.	Round Bottom Flask 250ml One Neck 24/29, 19/26	06-Nos
28.	Round Bottom Flask 500ml One Neck 24/29, 19/26	06-Nos
29.	Reflux Condenser 24/29	06-Nos
30.	Soxlet Apparatus	06-Nos
31.	Screw Cap Bottle 100ml	20-Nos
32.	Screw Cap Bottle 250ml	20-Nos
33.	Screw Cap Bottle 500ml	20-Nos
34.	Screw Cap Bottle 1000ml	15-Nos
35.	Spatula	20-Nos
36.	Tungs	20-Nos
37.	Volumetric Flask 50ml	20-Nos
38.	Volumetric Flask 100ml	20-Nos
39.	Volumetric Flask 500ml	20-Nos
40.	Volumetric Flask 1000ml	15-Nos

Section VIII.

Sample Forms

Sample Forms

1.	Bid Form and Price Schedules	65,66
2.	Manufacturer’s/Distrbutor's/Dealer's Certificate Form	67

1. Bid Form and Price Schedules

To:

Date: _____

Tender No. _____

Dr. Muhammad Zahid,
Associate Professor,
Department of Chemistry,
University of Agriculture, Faisalabad.

Gentlemen and/or Ladies:

Having examined the bidding documents including Tender No.64/2023, 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.