DOCUMENT ISSUED TO:M/S_____

DATE :_____

NOTICE FOR INVITING TENDER

Procurement of Equipment, Instruments, and Glassware for Various Laboratories at SBBUVAS Larkana Campus @ Naudero

DOCUMENT NO: SBBUVAS/NIT/DW/02/2026 Dated 28-10-2026

Shaheed Benazir Bhutto
University of Veterinary and Animal Sciences, Sakrand

"Client"

SHAHEED BENAZIR BHUTTO UNIVERSITY OF

VETERINARY & ANIMAL SCIENCES SAKRAND,

DISTRICT SHAHEED BENAZIRABAD

Tel: 0244-322150, 0244-322154
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Website: www.sbbuvas.edu.pk

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Shaheed Benazir Bhutto
University of Veterinary and Animal Sciences, Sakrand.

Main Campus Deh Chhan Biar Khadher Near Bakhtawar Cadet College.
Tel: 0244-323151, 0244-322154 Mob: 0333-7031909
No. & Dated: SBBUVAS/NIT/DW/02/2026 & 28/10/2026 **Email:** info@sbbuvas.edu.pk

NOTICE INVITING TENDER
(Through EPADS)
TENDER: SBBUVAS/NIT/DW/02 /2026 &28/10/2026

Shaheed Benazir Bhutto University of Veterinary and Animal Sciences (SBBUVAS), Sakrand, invites **electronic bids through the SPPRA e-Pak Acquisition & Disposal System (e-PADS)** from eligible contractors, firms, suppliers, manufacturers, and authorized sole distributors for the following works, procurement of goods, and supply requirements for its **Larkana Campus at Naudero**. **Manual bids shall not be accepted.**

Bidders must possess a valid **National Tax Number (NTN)** issued by the Federal Board of Revenue (FBR) .valid **Sales Tax Registration** for the procurement of goods and registration with the **Sindh Revenue Board (SRB)** for works and services. Bidders must also hold valid registration with the relevant **Chamber of Commerce and Industry**, wherever applicable, and fulfill all technical, financial, and other eligibility criteria specified in the bidding documents

Each bidder must submit an **undertaking in the prescribed format** confirming that it has not been blacklisted by any Government Department, Autonomous Body, Semi-Government Organization, or Procuring Agency.

S#	Name of Work	Tender Fee	Completion Time	Earnest Money	Date of Purchase	Date of Submission	Date & Time of Opening
1	Procurement of Equipment, Instruments, and Glassware for Various Laboratories at SBBUVAS Larkana Campus @ Naudero	3,000	03 Months	5%	03-11-2026	17-11-2026 11:00 A.M	17-11-2026 11:30 A.M
2	Procurement of furniture and fixtures for classrooms, laboratories, offices, and allied academic facilities SBBUVAS Larkana Campus @ Naudero	3,000	03 Months	5%	03-11-2026	17-11-2026 12:00 P.M	17-11-2026 12:30 P.M
03	Supply and Installations of Appliances for Academic & Admin Section at SBBUVAS Larkana Campus @ Naudero	3,000	03 Months	5%	03-11-2026	17-11-2026 01:00 P.M	17-11-2026 01:30 P.M

Terms and Conditions

1. **Bidding documents** shall be available on the **SPPRA e-PADS Portal**, in accordance with the schedule stated above, and may be downloaded from **https://portalsindh.eprocure.gov.pk**. The bidding documents shall also be available on the University's website at **www.sbbuvas.edu.pk**.
2. A **non-refundable tender fee of Rs. 3,000/- for each tender** shall be paid through a **Pay Order or Demand Draft** drawn in favour of **Shaheed Benazir Bhutto University of Veterinary and Animal Sciences, Sakrand**, in the manner specified in the bidding documents.
3. Bids shall be submitted **electronically through the SPPRA e-PADS system**, in the prescribed format, on or before the submission deadline specified in the schedule.
4. Each bid shall be accompanied by **Bid Security equivalent to 5% of the estimated cost**, furnished in the form of a **Call Deposit, Pay Order, Demand Draft, or Bank Guarantee,** or as permitted under Rule 37, in favour of **Shaheed Benazir Bhutto University of Veterinary and Animal Sciences, Sakrand**, and shall remain valid for at least **twenty-eight (28) days beyond the bid validity period**. The submission requirements shall be as specified in the bidding documents.
5. The procurement shall be conducted under the **Single Stage–Two Envelope Procedure**, in accordance with the **Sindh Public Procurement Rules, 2010, as amended**. Technical and financial proposals shall be submitted separately through e-PADS, as specified in the bidding documents.
6. Conditional, incomplete, unsigned, or late bids, and bids submitted without the prescribed **Bid Security**, shall be rejected in accordance with the bidding documents and applicable rules.
7. Bids shall remain valid for **ninety (90) days from the date of opening of the technical bids**, as specified in the bidding documents.
8. The Procuring Agency reserves the right to cancel the bidding process and reject all bids at any time prior to acceptance of a bid, subject to **Rule 25 of the Sindh Public Procurement Rules, 2010, as amended**.

DIRECTOR WORKS
Shaheed Benazir Bhutto University of Veterinary and Animal Sciences Sakrand
Tel: 0244-323151, 0244-322154 Mob: 03337031909
Email: info@sbbuvas.edu.pk

BID EVALUATION CRITERIA

SINGLE STAGE-TWO ENVELOPE PROCEDURE

1. Registrations with Income Tax, Federal Board of Revenue (FBR) GST, SRB (Copy of certificates attached)
2. Average Annual Financial Turnover not less than equivalent cost of the work during last five years, which would be verifies by bank statement.
3. The Brochure of Goods must be provided along with Bid documents.
4. Required Tender Fee (amount mentioned in NIT) (in the form of DD/pay order in the name of SBBUVAS Sakrand) must be attached with technical proposal.
5. The Required Bid Security (as specified in the NIT) must be submitted in the form of a Demand Draft (DD) or Pay Order in favor of SBBUVAS Sakrand. The original must be included with the financial proposal, and a copy (with the amount concealed) must be placed in the technical envelope.
6. Bid shall comprise of **Single Stage – Two Envelope** containing the financial proposal and Technical Proposal required information/criteria as mentioned in NIT and Bid documents.
7. Bid is signed, Named and Stamped by authorized person of firm along with authorization letter.
8. The bidder should submit an affidavit (Copy Attached) to the effect that the firm/Contractor have not been blacklisted by any executing Procuring Agency.
9. Conditional, partial and incomplete, unsigned, or late bids, or bids not accompanied by the prescribed Bid Security, shall be rejected.

COMPLIANCE DOCUMENTS/ BID EVALUATION CRITERIA

The Compliance Documents referred to below, duly completed, accompanied with supporting documentary evidence shall be submitted by firms as part of the bid document as per sequence given below, **failure to which will result disqualification of firms.**

S#	Description	Remarks
01	Federal Board of Revenue, (FBR), GST, SRB	**Mandatory**
02	Audited Financial Statements / Accounts Statements showing. Financial Position of last Five (05) Years.	**Mandatory**
03	Bank Statements of firms accounts of last Five (05) years	**Mandatory**
04	Declaration by authorized person to submit the Bid signed & attached.	**Mandatory**
05	Required Tender Fee	**Mandatory**
06	Affidavit on stamp paper of Rs. 100/- that the firm is not blacklisted or in litigation by/with any public or private sector. organization in Pakistan	**Mandatory**
07	Required Bid Security (only proof in Technical Proposal the amount must be concealed) (Original in Financial Proposal)	**Mandatory**

TECHNICAL EVALUATION CRITERIA

S	Evaluation Criteria	Documentary Evidence	Marks
1	Years of Establishment of firm	Company Profile/documentary evidence / proof should be attached in the technical bid for verification	Max Marks = 10 6 & above = 10 marks 3-5 years 06 marks 3 years 03 marks Less than 3 Years =0
2	Company Financial capability	Annual turnover of company for last three years Must Attached bank statement along with audit report	Max Marks = 15 More than 200 million =15 marks B/w 100-150 million = 10 marks Less than 100 million =0 marks
3	The Bidder should have completed five similar projects (supplying of lab equipment's in public sector universities, hospitals and laboratories)	(Copy of Documentary Evidence in shape of Purchase order/Work Order, installation report, Satisfactory/Completion Certificate must be attached)	Max Marks 20 4 Marks on (each Project)
4	The Bidder should have similar projects in hand (supply of lab equipment's).	(Copy of Satisfactory/Work in Progress Certificate & Work Order attached)	Max Marks 10 5 Marks on (each project)
5	The bidder should have completed lab equipment's orders or Supply.	(Copy of Satisfactory/Completion Certificate & Work Order attached).	Max Marks 10 5 Marks on (each project)
6	Registration with chamber of commerce	(Attach Certificate), ISO Certification ISO 9001:2015	5 marks
7	Partnership MAF Letter	Attach Certificate	10 Marks
8	Office in Province of Sindh Karachi, Hyderabad, Nawabshah, Sukkur, Mirpurkhas.	(Attach Documentary Evidence)	5 Marks 1 Mark for each city
9	Technical Staffs Full Marks will be given if at least four B.E/B.Sc/Bio Medical Engineer (Internationally Trained)	Professional (with 05 years or above experience. Appointment letter, CV, Salary Slip and other related documents must be attached.	Max. Mark 15 03 for each Engineer
10		TOTAL MARKS	100 marks
	NOTE: Minimum 70.00 Marks required to qualify		

Note: *Due to the high volume of expected applications, applicant firms are required to submit their applications/technical proposals in the sequence specified above. Failure to comply will result in the disqualification of the application, and the financial bid will be returned unopened (incase disqualified in technical criteria requirement)*

Form-1

BID AFFIDAVIT (Rs. 100/-) /DECLARATION FORM/CERTIFICATE

Name of firm: _____

NTN No. (Copy attached) _____ SRB No. (Copy attached) _____

FBR No. (Copy attached) _____

Name of authorized person: _____

CNIC No. (Copy attached): _____

Name of Work/project _____

Cell No._____

Postal Address_____

_____

I/We solemnly affirm as under.

1. The tender document set was downloaded/purchased by us and is being submitted without any alteration, deletions, additions, or changes.

2. I/We further affirm that I/we have gone through the tender documents completely and understood the contents, letter & sprit. I/We further that except for this deviation highlighted as above, all the term and condition of the tender set are acceptable to us, and we hereby accept and agree to abide by all the other Terms & conditions contained in the tender document set.

3. I/we also affirm that I/we are not blacklisted by any of Government, Semi Government and Autonomous Body from participating in tenders.

4. Our firm is not involved in any litigation with or against any Government, Semi Government and Autonomous Body.

5. I/we understand that in case it is found subsequently that the submitted Tender Document Set was altered or tempered with, in any manner, then our bid is liable to be rejected or in case a purchase order is placed on us basis tampered document, then the order is liable to be cancelled without any further reference to us.

6. I/we on the behalf of my firm declare that all the decisions made by the University Authorities will be acceptable to me/my partners and my/our legal dependents and we have no legal right to go against those decisions in any of the Government Line Department.

This Affidavit/ Declaration is given by me on the behalf of my firm/ partners today dated …… by our own will and accord without any pressure and to serve the official purpose of the SBBUVAS, Sakrand.

Signatures:
Name:
Stamp:

Name &Signed (by all the partners if any):

Sindh Public Procurement RegulatoryAuthority

Bidding Documents

For

National Competitive BiddingPakistan

Procurement of Goods

PART ONE (FIXED)

- Instructions to Bidders (ITB)
- General Conditions of Contract (GCC)

Preface

These Bidding Documents have been prepared for use by Procuring agencies andtheir implementing agencies in the procurement of goods through National CompetitiveBidding (NCB).

In order to simplify the preparation of bidding documents for each procurement, the Bidding Documents are grouped in two parts based on provisions which are fixed and that which are specific for each procurement. Provisions which are intended to be used unchanged are in Part one, which includes Section I, Instructions to Bidders, and Section II, General Conditions of Contract. Data and provisions specific to each procurement and contract are included in Part Two which includes Section II, Bid Data Sheet; Section III, Special Conditions of Contract; Section IV, Schedule of Requirements; Section V, Technical Specifications; and the forms to be used in Section I, Invitation for Bids, and Section VI, Sample Forms.

This is Part one which is fixed and contains provisions which are to be used unchanged. Each section is prepared with notes intended only as information for the Procuring agency or the person drafting the bidding documents. They shall not be included in the final documents.

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Instructions to Bidders

A. Introduction

1. Source of Funds The Procuring agency has received /applied for loan/grant/federal/provincial/local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /schemes specified in the bidding data and it is intended that part of the proceeds of this loan/grant/funds/ will be applied to eligible payments under the contract for which these bidding documents are issued.

Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Sindh., and in case of a project will be subject in all respect to theterms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken underChapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

2. Eligible Bidders This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2009 and its Bidding Documents except as provided hereinafter.

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 Procuring agency 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 Invitationfor Bids.

Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, ifthey operate under commercial law, and if they are not a dependent agency of the Government of Sindh.

Bidders shall not be eligible to bid if they are under a declarationof ineligibility for corrupt and fraudulent practices issued by the

any government organization in accordance with sub clause 34.1

3. Eligible Goodsand Services

All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the SPP Rules, 2009 and its Bidding Documents ,and all expenditures made under the contract will be limited to suchgoods and services.

For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from whichthe 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.

The origin of goods and services is distinct from the nationalityof the Bidder.

4. Cost of Bidding

The Bidder shall bear all costs associated with the preparationand submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," 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

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) Bid Security Form
(i) Contract Form
(j) Performance Security Form
(k) Manufacturer's Authorization Form

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 interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

7. Amendment of Bidding Documents

At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative orin response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.

All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be bindingon them.

In order to allow interested bidders reasonable time in which totake the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline forthe submission of bids.

C. Preparation of Bids

8. Language ofBid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the language specified inthe Bid Data Sheet. Supporting documents and printed literaturefurnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.

9. Documents Comprising the Bid

The bid prepared by the Bidder shall comprise the followingcomponents:

(a) a Bid Form and a Price Schedule completed in accordancewith 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 qualifiedto 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.

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 itproposes to supply under the contract.

Prices indicated on the Price Schedule shall be delivered dutypaid (DDP) prices. The price of other (incidental) services, ifany, listed in the Bid Data Sheet will be entered separately.

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 Procuring agency and will not in any way limit the Procuring agency'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 bidsubmitted with an adjustable price quotation will be treated as nonresponsive 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 Pak Rupees unless otherwise specified in the Bid Data Sheet.

13. Documents Establishing Bidder's

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.

Eligibility and

Qualification 13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, atthe time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Procuring agency'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 inthe Procuring agency's 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 Procuring agency's 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 andConformity to Bidding Documents

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.

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 shallbe confirmed by a certificate of origin issued at the time ofshipment.

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 Procuring agency; and

(c) an item-by-item commentary on the Procuring agency'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.

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 Procuring agency 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 Procuring agency'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 in the amount specified in the Bid Data Sheet.

The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

The bid security shall be in Pak. Rupees and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or

(b) irrevocable encashable on-demand Bank call-deposit.

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

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

The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, andfurnishing the performance security, pursuant to ITB Clause 33.

The bid security may be forfeited:

(a) if a Bidder withdraws its bid during the period of bidvalidity specified by the Bidder on the Bid Form; or

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

(i) to sign the contract in accordance with ITB Clause32;
or
(ii) to furnish performance security in accordance withITB Clause 33.

16. Period of Validity of Bids

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

In exceptional circumstances, the Procuring agency 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, except as provided in the bidding document.

17. Format and Signing of Bid

The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a

person or persons duly authorized to bind the Bidder to thecontract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

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 Bidderis awarded the contract.

D. Submission of Bids

18. Sealing and Marking ofBids

The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." The envelopes shall then be sealed in an outer envelope.

The inner and outer envelopes shall:

(a) be addressed to the Procuring agency at the address givenin 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 datespecified in the Bid Data Sheet, pursuant to ITB Clause 2.2.

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".

If the outer envelope is not sealed and marked as required by ITBClause 18.2, the Procuring agency will assume no responsibility for the bid's misplacement or premature opening.

19. Deadline for Submission ofBids

Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.

The Procuring agency 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 Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadlineas extended.

20. Late Bids

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

21. Modification and Withdrawal ofBids

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 Procuring agency prior to the deadline prescribed for submission of bids.

The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

No bid may be modified after the deadline for submission ofbids.

No bid may be withdrawn in the interval between the deadlinefor submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal ofa 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 ofBids by theProcuring agency

The Procuring agency 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. Thebidders' representatives who are present shall sign a registerevidencing their attendance.

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 Procuring agency, 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.

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. Withdrawn bids will be returned unopened to thebidders.

The Procuring agency will prepare minutes of the bid opening.

23. Clarification of Bids

23.1 During evaluation of the bids, the Procuring agency 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

The Procuring agency 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.

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 the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.

The Procuring agency 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.

Prior to the detailed evaluation, pursuant to ITB Clause 25 the Procuring agency 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 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency'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 Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

25. Evaluation and Comparison of Bids

The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.

The Procuring agency'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 25.4:

(a) incidental costs

(b) delivery schedule offered in the bid;

(c) deviations in payment schedule from that specified in the Special Conditions of Contract;

(d) the cost of components, mandatory spare parts, and service;

(e) the availability Procuring agency of spare parts and after-sales services for the equipment offered in the bid;

(f) the projected operating and maintenance costs during thelife of the equipment;

(g) the performance and productivity of the equipment offered; and/or

(h) other specific criteria indicated in the Bid Data Sheetand/or in the Technical Specifications.

For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

(a) Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at

the final destination.

(b) Delivery schedule.

(i) The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.

or

(ii) 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 DataSheet, 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.

or

(iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified inthe Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

(c) Deviation in payment schedule.

(i) Bidders shall state their bid price for the paymentschedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder.

or

(ii) The SCC stipulates the payment schedule offered by

the Procuring agency. If a bid deviates from theschedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, atthe rate per annum specified in the Bid Data Sheet.

(d) 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 specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

(ii) The Procuring agency 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 specified in the Bid Data Sheet. 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.

or

(iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.

(e) Spare parts and after sales service facilities in theProcuring agency's country.

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

(f) 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.

(g) Performance and productivity of the equipment.

(i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

or

(ii) 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, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

(h) Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

Alternative

25.4 Merit Point System:

The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.

26. Contacting the Procuring agency

Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.

Any effort by a Bidder to influence the Procuring agency 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

27. Post-qualification

In the absence of prequalification, the Procuring agency willdetermine 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 thecriteria listed in ITB Clause 13.3.

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 Procuring agency deems necessary and appropriate.

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 Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to performsatisfactorily.

28. Award Criteria

28.1 Subject to ITB Clause 30, the Procuring agency 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.

29. Procuring agency's Rightto Vary Quantities at Time of Award

29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change inunit price or other terms and conditions.

30. Procuring agency's Rightto Accept any Bid and to Reject any or All Bids

The Procuring agency reserves the right to accept or reject anybid, 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 or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.

31. Notification of Award

Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.

The notification of award will constitute the formation of the Contract.

Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge itsbid security, pursuant to ITB Clause 15.

32. Signing of Contract

At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.

Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

33 Performance Security

Within twenty (20) days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.

Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid

security, in which event the Procuring agency may make theaward to the next lowest evaluated Bidder or call for new bids.

34. Corrupt or Fraudulent Practices

The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made thereunder:

(a) defines, for the purposes of this provision, the terms setforth below as follows:

(i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contractexecution; and

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence aprocurement process or the execution of a contract to the detriment of the Procuring agency, 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 Procuring agency of the benefits of free and open competition;

(b) 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) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions ofContract.

Part One - Section II. General Conditions of Contract

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General Conditions of Contract

1. Definitions In this Contract, the following terms shall be interpreted asindicated:

(a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, 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 Procuring agency under the Contract.

(d) "The Services" means those services ancillary to the supplyof 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 underthe Contract.

(e) "GCC" means the General Conditions of Contract contained in this section.

(f) "SCC" means the Special Conditions of Contract.

(g) "The Procuring agency" means the organization purchasing the Goods, as named in SCC.

(h) "The Procuring agency's country" is the country named in SCC.

(i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.

(j) "The Project Site," where applicable, means the place or places named in SCC.

(k) "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

All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and `further elaborated in the SCC.

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.

The origin of Goods and Services is distinct from the nationality of the Supplier.

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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 andAudit by the Government

The Supplier shall not, without the Procuring agency'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 Procuring agency 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.

The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contractif so required by the Procuring agency.

5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance ofthe Supplier and to have them audited by auditors appointed by the procuring agency, if so required.

6. Patent Rights

6.1 The Supplier shall indemnify the Procuring agency 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 Procuring agency's country.

7. Performance Security

Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.

The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or

(b) a cashier's or certified check.

The performance security will be discharged by the Procuring agency 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 specified otherwise in SCC.

8. Inspectionsand Tests

The Procuring agency 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 Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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 Procuring agency.

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

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

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 isrequired 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 Procuring agency.

10. Delivery and Documents

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.

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

11. Insurance

11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.

12. Transportation

12.1 The Supplier is required under the Contact to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency'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.

13. Incidental Services

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 Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

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 for 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 Procuring agency 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 Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and

(ii) following such termination, furnishing at no cost to the Procuring agency, 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 Procuring agency'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.

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.

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

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

If the Supplier, having been notified, fails to remedy the defect(s)

within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial actionas may be necessary, at the Supplier's risk and expense andwithout prejudice to any other rights which the Procuring agencymay 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.

The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoicedescribing, 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.

Payments shall be made promptly by the Procuring agency, butin no case later than sixty (60) days after submission of aninvoice or claim by the Supplier.

The currency of payment is Pak. Rupees.

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 Procuring agency's request for bid validity extension, as the case may be.

18. Change Orders

18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes withinthe general scope of the Contract in any one or more of the following:

(a) drawings, designs, or specifications, where Goods to befurnished under the Contract are to be specifically manufactured for the Procuring agency;

(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 withinthirty (30) days from the date of the Supplier's receipt of the Procuring agency'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 Procuring agency's prior written consent.

21. Subcontracts

21.1 The Supplier shall notify the Procuring agency 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

Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.

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 Procuring agency 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 Procuring agency 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.

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 damagespursuant to GCC Clause 23, unless an extension of time is agreedupon pursuant to GCC Clause 22.2 without the application of liquidated damages.

23. Liquidated

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or

Damages

all of the Goods or to perform the Services within the period(s)specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct fromthe 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. Oncethe maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

24. Terminationfor Default

The Procuring agency, 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 Procuring agency pursuantto 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 Procuring agency 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 any thing 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 Borrower of the benefits of free and open competition.

In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency 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 Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of theContract 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 anevent of Force Majeure.

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 Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform itsobligations 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 Procuring agency 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 Procuring agency.

27. Terminationfor Convenience

The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time forits convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

The Goods that are complete and ready for shipment withinthirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the

Contract terms and prices. For the remaining Goods, theProcuring agency may elect:

(a) to have any portion completed and delivered at the Contractterms 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. Resolution of Disputes

The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplierhave been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to theformal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

29. Governing Language

29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, 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.

30. ApplicableLaw

30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.

31. Notices

31.1 Any notice given by one party to the other pursuant to thisContract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

31.2 A notice shall be effective when delivered or on the notice'seffective date, whichever is later.

32. Taxes and Duties

32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

Notes on the Instructions to Bidders

This section of the bidding documents provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring agency. It also provides information on bid submission, opening, and evaluation, and on the award of contract.

Part One Section I contains provisions that are to be used unchanged. Part Two Section II consists of provisions that supplement, amend, or specify in detail information or requirements included in Part One Section I and which are specific to each procurement.

Matters governing the performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are not normally included in this section, but rather under Part one Section II, General Conditions of Contract, and/or Part Two Section III, Special Conditions of Contract. If duplication of a subject is inevitable in the other sections of the document prepared by the Procuring agency, care must be exercised to avoid contradictions between clauses dealing with the same matter.

These Instructions to Bidders will not be part of the contract.

Notes on the General Conditions of Contract

The General Conditions of Contract in Part One Section II, read in conjunction with the Special Conditions of Contract in Part Two Section III and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

The General Conditions of Contract herein shall not be altered. Any changes and complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract in Part Two Section III.

Sindh Public Procurement Regulatory Authority

Bidding Documents

For

National Competitive Bidding

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications
- Sample Form
- Eligibility

Preface

These Bidding Documents have been prepared for use by procuring agencies in the procurement of goods through National Competitive Bidding (NCB).

In order to simplify the preparation of bidding documents for each procurement, the Bidding Documents are grouped in two parts based on provisions which are fixed and that which are specific for each procurement. Provisions which are intended to be used unchanged are in Part one, which includes Section I, Instructions to Bidders, and Section II, General Conditions of Contract. Data and provisions specific to each procurement and contract are included in Part Two which includes Section II, Bid Data Sheet; Section III, Special Conditions of Contract; Section IV, Schedule of Requirements; Section V, Technical Specifications; and the forms to be used in Section I, Invitation for Bids, and Section VI, Sample Forms.

This is Part Two and contains data and provisions specific to each procurement. Care should be taken to check the relevance of the provisions of the Bidding Documents against the requirements of the specific goods to be procured. The following general directions should be observed when using the documents. In addition, each section is prepared with notes intended only as information for the Procuring agency or the person drafting the bidding documents. They shall *not* be included in the final documents, except for the notes introducing Section VI, Forms, where the information is useful for the Bidder.

(a) Specific details, such as the "name of the Procuring agency" and "address for bid submission," should be furnished in the Invitation for Bids, in the Bid Data Sheet, and in the Special Conditions of Contract. The final documents should contain neither blank spaces nor options.

(b) Amendments, if any, to the Instructions to Bidders and to the General Conditions of Contract should be made through the Bid Data Sheet and the Special Conditions of Contract, respectively.

(c) Footnotes or notes in italics included in the Invitation for Bids, Bid Data Sheet, Special Conditions of Contract, and in the Schedule of Requirements are not part of the text of the document, although they contain instructions that the Procuring agency should strictly follow. The final document should contain no footnotes.

(d) The criteria for bid evaluation and the various methods of evaluation in the Instructions to Bidders (Clauses 25.3 and 25.4, respectively) should be carefully reviewed. Only those that are selected to be used for the procurement in question should be retained and expanded, as required, in the Bid Data Sheet or in the Technical Specifications, as appropriate. The criteria that are not applicable should be deleted from the Bid Data Sheet.

(e) Clauses included in the Special Conditions of Contract are illustrative of the provisions that should be drafted specifically by the Procuring agency for each procurement.

(f) The forms provided in Section VI should be completed by the Bidder or the Supplier; the footnotes in these forms should remain, since they contain instructions which the Bidder or the Supplier should follow.

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Part Two
Section I. Invitation for Bids

Notes on the Invitation for Bids

The Invitation for Bids (IFB) shall be issued as an advertisement in at least three newspaper of general circulation in the Province of Sindh or Authorities web site as the case may be, allowing at least fifteen days for NCB and forty five days(45) ICB for bid preparation and submission ;

The Invitation for Bids provides information that enables interested bidders to decide whether to participate. Apart from the essential items listed in the Standard Bidding Documents (SBD), the Invitation for Bids should also indicate any important bid evaluation criteria or qualification requirement (for example, a requirement for a minimum level of experience in manufacturing a similar type of goods for which the Invitation for Bids is issued) and that the bidders should give their best and final prices as no negotiations are allowed.

The Invitation for Bids should be incorporated into the bidding documents. The information contained in the Invitation for Bids must conform to the bidding documents and in particular to the relevant information in the Bid Data Sheet.

Date of issuance: 03-11-2026

NIT NO: SBBUVAS/NIT/ DW/02/2026

SBBUVAS - Larkana Campus at Naudero

1. The SBBUVAS Sakrand, supply for its **Larkana Campus at Naudero** has received an allocation from the Public Fund in Pak rupees / Foreign Currency towards the cost of procurement of goods. It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for Procurement of Goods

2. The SBBUVAS Sakrand, supply for its **Larkana Campus at Naudero** now invites sealed bids from eligible bidders for the Supply of Laboratory Equipment at SBBUVAS supply for its **Larkana Campus at Naudero**.

3. Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of Director Works SBBUVAS Sakrand.

4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application to the above and upon payment of a nonrefundable fee of **Rs. 3000/-**

5. The provisions in the Instructions to Bidders and in the General Conditions of Contract are the provisions of the Sindh Public Procurement Ordinance and its Rules made hereunder which also conform to the requirements of the World Bank Standard Bidding Documents: Procurement of Goods for National Competitive Bidding, Pakistan, Part One.

6. Tender/s Document will be issued from **03-11-2026 to 17-11-2026.** Bids must be delivered to the above office on or before **11:00 AM on 17-11-2026** and must be accompanied by a security of 5% (4,018,585/-)of the total Estimated amount.

7. Bids will be opened online on SPPRA Official web portal **https://portalsindh.eprocure.gov.pk**. in the presence of bidders' representatives who choose to attend on **17-11-2026 at 11:30 A.M** in the office of Committee Room Vice Chancellor Secretariat SBBUVAS Sakrand at Khadhar Campus.

8. The bidders are requested to give their best and final prices as no negotiations are expected.

Section II. Bid Data Sheet

Notes on the Bid Data Sheet

Section II is intended to assist the Procuring agency in providing the specific information in relation to corresponding clauses in the Instructions to Bidders included in Part one Section I, and has to be prepared for each specific procurement.

The Procuring agency should specify in the Bid Data Sheet information and requirements specific to the circumstances of the Procuring agency, the processing of the procurement, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing Section II, the following aspects should be checked:

(a) Information that specifies and complements provisions of Part One Section I must be incorporated.

(b) Amendments and/or supplements, if any, to provisions of Part One Section I as necessitated by the circumstances of the specific procurement, must also be incorporated.

BIDDING DATA

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

a) Name & Address of the : **SBBUVAS, Sakrand** (Supply for its **Larkana Campus at Naudero).**

b) Brief Description of Works : **Procurement of Equipment, Instruments, and Glassware for Various Laboratories at SBBUVAS Larkana Campus, Naudero.**

c) Estimated Cost : 80.3717

d) Amount of Bid Security : 4,018,585/- (05% Bid Security of Estimated Cost)

e) Period of Bid Validity : **90 days**

f) Amount of Performance Security/Retention Money: 10%

g) Percentage if any, to be deducted from bill : 05%

h) Tenders will be Issued from: **03-11-2026 to 17-10-2026**

i) Deadline of submission of Bids along with time: **17-11-2026 up to 11:00 AM**

a) Venue, Date & Time of Bid opening: Committee Room of SBBUVAS Sakrand at Khadhar Campus,

17-11-2026 at 11:30 (A.M)

b) Time for Completion from written order of commence: 03 Months

c) Liquidity damages : ----------(0.05% of Estimated cost or Bid cost)

d) Stamp duty: **0.35%** or notified by the Govt. of Sindh, will be paid by successful bidder asstamp duty.

e) Defect liability period is 01 year from the date of completion certificate,

BID DATA SHEET

Introduction

ITB 1.1	**SBBUVAS, Sakrand,** supply for its **Larkana Campus at Naudero**
ITB 1.1	Loan or credit or Project allocation number. Loan or credit or Project allocation amount.
ITB 1.1	**Procurement of Goods:**
ITB 1.1	**Procurement of Equipment, Instruments, and Glassware for Various Laboratories at SBBUVAS Larkana Campus, Naudero**
ITB 4.1	**SBBUVAS, Sakrand (Supply for its Larkana Campus at Naudero)**
ITB 6.1 **Address**	**Director Works SBBUVAS Sakrand,** **Cell # 0333-7031909**
ITB 8.1	English

Bid Price and Currency	
ITB 11.2	The price quoted shall be Pakistani Rupee.
ITB 11.5	The price shall be fixed,

Preparation and Submission of Bids	
ITB 13.3 (d)	Qualification requirements
ITB 14.3 (b)	Spare parts required for…. Not Applicable
ITB 15.1	Amount of bid security: 5% (4,018,585/-) of the total estimated price.
ITB 16.1	The bid should be valid for 90 days
ITB 17.1	Number of copies. **02**
ITB 18.2 (a)	Director Works SBBUVAS Sakrand
ITB 18.2 (b)	IFB Procurement of Goods.
ITB 19.1	Deadline for bid submission:- 17-11-2026 up-to 11:00 AM Bids received /submitted after the due date and time will not be entertained.
ITB 22.1	Time, date, and place for bid opening. 11:30 A.M, 17-11-2026 in the Committee Room of SBBUVAS Sakrand at Khadhar Campus.

Bid Evaluation

ITB 25.3	The **SBBUVAS, Sakrand (Supply for its Larkana Campus at Naudero)** will accept most advantageous bid as perRule 48 & 49 of SPPRA Rules, 2010 (Amended 2019).
ITB 25.4 (a) **ITB 25.4 (b)**	Incomplete and conditional quotations will be rejected forthwith. No cutting / overwriting in the offered prices will be accepted.
Option (i) **Option (ii)** **Option (iii)**	adjustment expressed as a percentage, NA **or** adjustment expressed in an amount in the currency of bid evaluation, **or** adjustment expressed as a percentage
ITB 25.4 (c) (ii)	Deviation in payment schedule.Annual interest rate. NA
ITB 25.4 (d)	Cost of spare parts. NA
ITB 25.4 (e)	Spare parts and after sales service facilities in the Procuring agency's country. NA
ITB 25.4 (f)	Operating and maintenance costs. Factors for calculation of the life cycle cost: (i) number of years for life cycle; (ii) operating costs; (iii)maintenance costs; and (iv) rate, as a percentage, to be used to discount all annual future costs calculated under (ii) and (iii) above to present value. **or** Reference to the methodology specified in the Technical Specifications or elsewhere in the bidding documents.
ITB 25.4 (g)	Performance and productivity of equipment.
ITB 25.4 (h)	Details on the evaluation method or reference to the Technical Specifications.
ITB 25.4 Alternative	Specify the evaluation factors.
Contract Award	
ITB 29.1	Percentage for quantity increase or decrease. (25) percent.

ARTICLES OF AGREEMENT

This Agreement made this_____day of_____2026, by and between the Vice-Chancellor, SBBUVAS Sakrand., Sindh, including his successors in office and Assignees / Agents, acting through the Director Works, **SBBUVAS, Sakrand (Supply for its Larkana Campus at Naudero)**, hereinafter called the "**University**", of the one part,

And _____ of
(name and designation of the authorized person)
_____, located at _____, hereinafter called the "**Contractor**" which expression shall include their successors, legal representatives of the second part.

Whereas the **University** requires Laboratory Equipment **at SBBUVAS Larkana Campus at Naudero**, and whereas the **Contractor** has agreed to supply, install put into operation and demonstrate the working of the said Laboratory Equipment's valued at Rs._____(in figures and words) in the period of_____months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the **Contractor**.

(amount in figures and words)

Now this Agreement witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the **Conditions of Contract** hereinafter referred to.

2. The following documents which, for the purpose of identification, have been signed by _____on behalf of the **Contractor,** and by
(name and designation of the authorized person)
_____on behalf of the **University**, all of
(name and designation of the authorized person)
which shall be deemed to form and be read and construed as a part of this **Agreement** viz.:

   a) Articles of Agreement;
   b) Instructions to Tenderers;
   c) Conditions of Contract;
   d) Contractor's Offer including the relevant correspondence prior to signing of this Agreement with all Annexures duly filled in;
   e) The specifications of the equipment; and
   f) Bill of Quantity with prices.

3. In consideration of the payment to be made to the Contractor, the **Contractor** hereby **covenants** with the University to supply, deliver, install, put into operation and demonstrate the working of the Laboratory Equipments in conformity in all respects of the Contract & the order form No._.

4. The **University** hereby **covenants to pay** the Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment the contact price in the manner prescribed by the Contract and approved by the University.

In Witness Thereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

University_____ Contractor_____

Witness No.1: Witness No.1:

Signature:_____ Signature:_____

Name:_____ Name: _____

Designation:_____ Designation: _____

Witness No.2. Witness No.2:

Signature:_____ Signature:_____

Name:_____ Name: _____

Designation:_____ Designation: _____

Section III. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the Bid Data Sheet in Section II, the clauses in this Section are intended to assist the Procuring agency in providing contract-specific information in relation to corresponding clauses in the General Conditions of Contract.

The provisions of Section III complement the General Conditions of Contract included in Part one, Section II, specifying contractual requirements linked to the special circumstances of the Procuring agency, the Procuring agency's country, the sector, and the Goods purchased. In preparing Section III, the following aspects should be checked:

(a) Information that complements provisions of Part one Section II must be incorporated.

(b) Amendments and/or supplements to provisions of Part one Section II, as necessitated by the circumstances of the specific purchase, must also be incorporated.

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11. Payment (GCC Clause 16).....
12. Prices (GCC Clause 17).....
13. Liquidated Damages (GCC Clause 23).....
14. Resolution of Disputes (GCC Clause 28).....
15. Governing Language (GCC Clause 29).....
16. Notices (GCC Clause 31).....

Special Conditions of Contract

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring agency is: **SBBUVAS, Sakrand**
(Supply for its Larkana Campus at Naudero)

GCC 1.1 (h)—The Procuring agency's country is: Pakistan
GCC 1.1 (i)—The Supplier is: _____

2. Country of Origin (GCC Clause 3) As per B.O.Q**.**

3. Performance Security (GCC Clause 7)/Retention Money.

GCC 7.1-The aggregate amount of performance security/retention money shall be **ten percent (10%) of the Contract Price**, comprising:

(a) **Five percent (5%) of the Contract Price** held as performance security, through adjustment of the successful Bidder's bid security, where permitted under the applicable bidding conditions. Any shortfall shall be deposited by the Supplier; and

(b) **Five percent (5%) deducted from each running bill**, until the accumulated retention money equals five percent (5%) of the Contract Price.

GCC 7.4—Upon expiry of **six (6) months from the date of delivery and acceptance of all Goods**, and subject to satisfactory performance and rectification of all notified defects, an amount equivalent to **five percent (5%) of the Contract Price** shall be released to the Supplier. The remaining **five percent (5%) of the Contract Price** shall be retained to secure the Supplier's warranty obligations under **GCC Clause 15.2** and released upon expiry of the warranty period and satisfactory fulfillment of those obligations, subject to any outstanding contractual claims.

4. Inspections and Tests (GCC Clause 8) Items shown in the BOQ shall be supplied strictly in accordance with approved quality, brand and measurement.
In case of unsatisfactory supplies / services in any manner including quality & quantity and time line, the bid security / earnest money will be forfeited and contract will be partially / fully cancelled which may lead to blacklisting of firm.

5. Packing (GCC Clause 9) Standard packing or as described in specification

6. Delivery and Documents (GCC Clause 10) N.A

Delivery schedule. Delivery should be made within three month if the contract is awarded.Else Penalty will be charged as per Rules **N/A**
The Supplier shall mail the following documents to the Procuring agency at the time delivery:

(i) Copy/s of the Bill / SST invoice showing Services' description, quantity, unit price, and total amount;
(ii) Manufacturer's or Supplier's warranty certificate: (if Applicable);
(iii) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report, (if Applicable);

7. Insurance (GCC Clause 11) NA

8. Incidental Services (GCC Clause 13) : NA

9. Spare Parts (GCC Clause 14) : NA

10. Warranty (GCC Clause 15): The warranty period shall be **one (1) year from the date of successful testing, commissioning, and acceptance of the Goods by the Procuring Agency**.

11. Payment (GCC Clause 16)

Payment for Goods supplied: Payment shall be made in Pak. Rupees in the following manner:

(i) **Advance Payment: NA**.

(ii) **On Shipment:** Eighty (80) percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country, upon submission of documents specified in GCC Clause 10.

(iii) **On Acceptance:** Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Procuring agency

Payment of local currency portion shall be made in Pakistani Rupee within thirty (30) days of presentation of claim supported by a certificate from the Procuring agency declaring that the Goods have been delivered and that all other contracted Services have been performed.

(iv) 100% of the Contract Price on complete delivery of store within thirty (30) days on submission of claim supported by acceptance certificate from procuring agency declaring Goods have been delivered and that all contracted services have been performed.
(v) Part payment on part supply may be allowed.

12. Prices (GCC Clause 17) NA

13. Liquidated Damages (GCC Clause 23)
GCC 23.1—Applicable rate:
Maximum deduction: 0.05% of Estimated Cost or Bid Cost.

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Procuring agency's country.

15. Governing Language (GCC Clause 29) GCC 29.1—The Governing Language shall be: English

16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:
The Employment of Children (ECA) Act 1991
The Bonded Labour System (Abolition) Act of 1992
The Factories Act 1934

17. Notices (GCC Clause 31)

GCC 31.1- Procuring agency's address for notice purposes: **SBBUVAS, Sakrand (Supply for its Larkana Campus at Naudero)**

—Supplier's address for notice purposes: _____

18. NOTE: MANDATORY CONDITIONS FOR THE SUPPLY OF LABORATORY EQUIPMENT

The Supplier shall comply with the following requirements. All associated costs shall be included in the quoted prices unless expressly stated otherwise in the bidding documents.

(i) **Quantities and Variations**
The quantities indicated in the Schedule of Requirements may be increased or decreased only to the extent permitted under the applicable procurement rules and bidding documents. Any variation shall require written authorization from the Procuring Agency and shall be valued at the applicable contractual unit rates.

(ii) **Delivery and Transportation**
The Supplier shall deliver the equipment to the designated laboratories or locations within the University premises specified in the Contract. The quoted prices shall include packing, transportation, transit

insurance, loading, unloading, handling, and placement. No separate payment shall be made for cartage or these services.

(iii) **Responsibility for Loss or Damage**

The Supplier shall be responsible for loss or damage occurring during packing, transportation, unloading, installation, testing, or commissioning until formal acceptance by the Procuring Agency. Damaged equipment shall be repaired or replaced, as directed by the Procuring Agency, at the Supplier's expense.

(iv) **Taxes, Duties, and Levies**

The quoted prices shall include all applicable taxes, duties, levies, customs charges, and other statutory charges, including sales tax and Sindh sales tax on services administered by the Sindh Revenue Board (SRB), where applicable. Taxes shall be identified in the prescribed price schedule. Statutory deductions shall be made from payments as required by law.

(v) **Condition, Model, and Authenticity**

All equipment shall be brand new, unused, genuine, and manufactured in **2026 or later**, supported by documentary evidence. Used, refurbished, reconditioned, or demonstration equipment shall not be accepted. The offered make, model, manufacturer, country of origin, and manufacturing year shall be clearly stated in the bid. A "2026 series/model" designation shall be required only where the manufacturer uses such a designation.

(vi) **Compliance with Technical Specifications**

The equipment shall comply with the approved technical specifications and the accepted bid. The Supplier shall provide relevant manufacturer's catalogues and technical data sheets. No substitution of an approved make, model, origin, or specification shall be made without prior written approval and compliance with the Contract and applicable procurement rules.

(vii) **Complete and Operational Supply**

The supply shall include all accessories, attachments, cables, connectors, software licenses, and other components expressly required by the specifications or necessary for the equipment's specified operation. Requirements for initial consumables, reagents, standards, and spare parts shall be as stated in the Schedule of Requirements.

(viii) **Installation, Testing, and Commissioning**

The Supplier shall install, assemble, configure, test, and commission the equipment through qualified personnel at no additional cost. Where applicable, calibration shall be carried out and valid calibration certificates supplied. The Supplier shall demonstrate that each item achieves the performance specified in the Contract.

(ix) **Inspection and Acceptance**

All equipment shall be subject to inspection and verification by the University's designated inspection committee or authorized representatives. Delivery alone shall not constitute acceptance. Formal acceptance shall follow satisfactory verification of quantities, specifications, accessories, documentation, testing, commissioning, and required training.

(x) **Mandatory Staff Training**

The Supplier shall provide practical, on-site training to the University's nominated staff in equipment operation, safety, routine maintenance, calibration where applicable, and basic troubleshooting. Training shall be conducted by competent personnel, at no additional cost, and documented through attendance records and a training-completion report.

(xi) **Warranty—GCC Clause 15.2**

The warranty period shall be **one (1) year from the date of successful testing, commissioning, and formal acceptance of the equipment by the Procuring Agency**. The warranty shall cover defects in materials, workmanship, and performance under normal use in accordance with the manufacturer's instructions. During this period, the Supplier shall rectify covered defects or replace defective components or equipment without additional charges, including charges for parts, labour, travel, or transportation.

(xii) **After-Sales Service and Technical Support**

The Supplier shall provide after-sales service and technical support throughout the warranty period and identify the responsible service provider, contact details, and service arrangements. The response and defect-rectification periods shall be those specified in the Special Conditions of Contract. Availability of spare parts and support beyond the warranty period shall be declared in the bid, together with any applicable charges.

(xiii) **Delivery and Supporting Documents**

The Supplier shall submit delivery challans, original Supplier's invoices, applicable tax invoices, packing lists, warranty certificates, and a schedule of equipment serial numbers. Manufacturer's authorization, certificates of origin and authenticity, and supporting source/import documents shall be provided where required by the bidding documents. Operating and maintenance manuals shall be supplied in English, together with installation, testing, commissioning, calibration, and training records, as applicable.

(xiv) **Rejection and Replacement**

Equipment that is damaged, defective, counterfeit, incomplete, or inconsistent with the contractual specifications may be rejected. The Supplier shall remove and replace rejected equipment at its own expense within the period specified by the Procuring Agency in accordance with the Contract. Inspection or payment shall not relieve the Supplier of its warranty or other contractual obligations.

(xv) **Delivery Period and Delay**

Delivery, installation, testing, commissioning, and training shall be completed within the periods specified in the Contract. Delays shall be dealt with under the contractual provisions governing extensions of time, liquidated damages, and termination.

(xvi) **Payment and Security**

Payments shall be made in accordance with the contractual payment schedule against the required supporting documents and acceptance certificates. Performance security, retention deductions, and their release shall be governed by the relevant SCC provisions.

(xvii) **Compliance and Contractual Effect**

The Supplier shall comply with applicable laws and the contractual requirements for electrical, laboratory, and operational safety. These conditions shall form part of the Contract, with any inconsistency resolved in accordance with the Contract's stated order of precedence.

Contractor **Director Works**

Section IV. Schedule of Requirements

Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Procuring agency, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section VI. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB Clause 29.

The date or period for delivery should be carefully specified, taking the date prescribed herein from which the Procuring agency's delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

PREAMBLE TO THE PRICE SCHEDULE

The quoted unit rates and total prices shall include the complete supply, packing, transportation, transit insurance, loading, unloading, delivery to the designated University premises, installation, testing, commissioning, and training of nominated staff, together with all required accessories, documentation, and applicable taxes, duties, and levies.

This preamble forms an integral part of the bidding documents and the Contract and shall be read together with the Technical Specifications, Schedule of Requirements, General Conditions of Contract, and Special Conditions of Contract. Warranty, after-sales service, performance security, payment, and other contractual obligations shall be governed by the relevant provisions of those documents.

BILL OF QUANTITIES/SCHEDULE-B

Procurement of Laboratory Equipment for academic and Teaching Laboratories at SBBUVAS Larkana campus @ Naudero

B: EQUIPMENT REQUIRED FOR EACH DEPARTMENT/SECTION

(For offering of basic DVM degree)

Main Summary of Cost

S No	Department	Amount
1		
a	Department/Section of Veterinary Anatomy and Histology	-
b	Department/Section of Veterinary Physiology	-
c	Department/Section of Biochemistry (attached with Veterinary Physiology)	-
2		
a	Department/Section of Veterinary Microbiology	-
3	Department/Section of Poultry Husbandry/Science	-
4	Department/Section of Livestock Management	-
5	5. OTHER MISCELLANEOUS ITEMS	-
	Total Amount	-
Amount In words:-		

1: (a) Department/Section of Veterinary Anatomy and Histology

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
1	Providing, supplying and fixing, Work-top/Wooden Laboratory Table , each table has 1500 mm length × 900 mm width × 900 mm Height (5ft × 3ft ×3ft) standard Anatomy Disection table.	No		1	-
2	Providing and supplying , Heavy-Duty Stainless Steel Laboratory Stool, fabricated from SS-303/304 stainless steel or equivalent approved quality, having 350 mm seat diameter and adjustable overall height from 450 mm up to 600 mm, complete with sturdy frame, smooth corrosion-resistant finish, non-slip feet and all necessary fittings, suitable for laboratory use; Origin: Imported or Equivalent.	No		80	-
3	Providing and supplying, Sliding Writing Board Material porcelein coated steel; highly durable Scratch resistance non poror anti ghosting and ideal for heavy daily Use , with frosted dark green or matte black ceramic-coated/painted magnetic steel writing surface, non-glare, chalk-friendly, magnetic, durable and easy to cleaan Size 120x180 Origin: Imported or Equivalent.	No		1	-
4	Providing, supplying and fixing Wooden almirah for bone-sets Material Structure: High-density particle board or treated hardwood coated with a heavy-duty melamine or high-pressure laminate (HPL) finish to resist moisture, disinfectant wiping, and scratching. Dimensions: Standard clinical height of roughly 200 cm, width of 90 cm, and depth of 50 cm to accommodate standard instrument sterilizing baskets and bone-set trays.; Origin: Imported or Equivalent	No		2	-
5	Providing, supplying and fixing , Steel almirah for microscopes Stainless Steel, 18 Gauge Material Grade: AISI 304 Stainless Steel (non-magnetic, highly resistant to chemical reagents, bodily fluids, and frequent washing).Sheet Thickness: 18 Gauge (approx. 1.2 mm) for heavy-duty structural	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	rigidity and load-bearing stability.Dimensions (Standard): 78 in (H) x 36 in (W) x 20 in (D) (or customized compact/wall-mounted configurations depending on clinic footprint).				
6	Providing, supplying and fixing, Wooden racks for bone-store Dimensions: Standard medical/educational storage bays typically measure 2.0m High x 1.0m Wide x 0.5m Deep. Depth can be expanded to 0.6m–0.8m for larger farm animal specimens (e.g., equine/bovine pelves and femurs). Material Structure: High-density particle board or treated hardwood coated with a heavy-duty melamine or high-pressure laminate (HPL) finish to resist moisture, disinfectant wiping, and scratching.	No		3	-
7	Providing, supplying and fixing, Steel racks Stainless Steel 18G Common Widths: 70″ (1778 mm).Common Depths: 30″ (762 mm).Common Heights: 72″ (1829 mm)	No		3	-
8	Providing, supplying and fixing, Glass almirah A standard veterinary glass almirah (medical storage cabinet) typically measures 80″ in height, 36″ in width, and 18″ in depth. origion: Imported or Eqvivalent	No		3	-
9	Providing, supplying and fixing, Show cases (glass paneled) Material Composition: Combination of SUS 304 stainless steel framing with robust 5mm to 12mm thick tempered glass side walls to withstand physical impacts. Imported or Eqvivalent	No		2	-
10	Supply, providing and positioning of High-Precision Anti-Vibration Laboratory Marble Table (1200 mm x 750 mm x 800mm), 50 mm thick mirror-polished natural marble slab, elastomeric shock-dampening mounts, epoxy-coated heavy-duty steel frame, and adjustable	No		4	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	leveling feet." Quality Assurance & Inspection Requirements: Workmanship (SS): All welds must be ground smooth, continuous, and polished to match adjacent surfaces; no open gaps or exposed mild steel fasteners. Workmanship (Marble): Stone slab must be 100% free from structural cracks, deep fissures, or unsealed surface pores. Testing: Stainless steel tables must pass a fluid containment test along the marine edge without seepage. Packaging: Shipped with edge corner protectors, shrink wrap, and packed in heavy timber crates to prevent stone cracking during transit.				
11	Providing and supplying Tissue disposal buckets. High-Density Polyethylene (HDPE) or Virgin Polypropylene (PP). Capacity: 10 Liters.Lid System: Heavy-duty, press-down airtight lid featuring a tamper-evident security tab to prevent accidental reopening Imported or Eqvivalent	No		4	-
12	Providing and supplying Steel racks for wet specimens Local made Overall Height: 75 inches.Depth: 24 inches (Deep enough to hold larger sample jars or multiple rows of pathology containers).Width: 60 inches (Depending on available wall space). origion: Imported or Eqvivalent	No		4	-
13	Supply, installation, and commissioning of Heavy-Duty 304 Stainless Steel Large Specimen Washing Tub (1400 mm x 650mm x 450 mm), 2.0mm thickness, integrated internal overflow weir, 110 mm waste outlet With Guage 17 " Hydrostatic & Overflow Test: 100% of installed units must pass a full-volume hydrostatic test—filled to overflow level with continuous water supply for 30	No		15	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	minutes to verify zero frame leakage and 100% overflow drainage :weight capacity 220 lbs Size 122cm x 152cm				
14	Supply and Delivery of Articulated skeleton one for ox, horse sheep, goat, dog, cat, camel, fowl, rabbit, duck (required single skeleton of each specie) or as directed by Incharge				
(i)	Skeleton of Horse	No		1	-
(ii)	Skeleton of Ox	No		1	-
(iii)	Skeleton of Buffalo	No		1	-
(iv)	Skeleton of Goat	No		1	-
(v)	Skeleton of Sheep	No		1	-
(vi)	Skeleton of Dog	No		1	-
(vii)	Skeleton of Chicken	No		1	-
(viii)	Skeleton of Camel	No		1	-
(ix)	Skeleton of Zoo Animal Large	No		1	-
(x)	Skeleton of Zoo Animal Small	No		1	-
(xi)	Skeleton of Zoo Bird	No		1	-
15	Supply and delivery Embalmed hollow organs complete set : Embalmed / Plastinated Hollow Visceral Organs Model complete Set (Veterinary Grade)Application: Veterinary Gross Anatomy, Splanchnology Education, and Surgical TrainingTarget Species included: Canine, Feline, Ovine, Porcine, or Bovine (as per the direction of department) Standard Met: Imported Premium Quality (e.g., Von Hagens Plastination, Syndaver Veterinary, or equivalent standard using advanced	Set		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	polymer preservation like the Elnady (Imported or Equivalent)				
16	Supply and delivery Binocular microscopes	No		10	-
	Viewing Head: Siedentop Binocular Head, Inclined at 30°, 360° Rotatable, Interpapillary Distance 48-75mm				
	Eyepiece: WF10×/18mm				
	Objective: Achromatic Objective 4×, 10×, 40×, 100×(Oil)				
	Nosepiece: Backward Quadruple Nosepiece				
	Stage: Double Layer Mechanical Stage 132×142mm/ 75×40mm				
	Focusing: Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm				
	Condenser: Abbe NA 1.20 with Iris Diaphragm and Filter				
	Illumination: 1W S-LED illumination, Brightness Adjustable Origin: Imported having more than 20 plus installation refrenses.				
17	Supply and delivery Dissection microscopes	No		5	-
	Viewing Head: 45° inclined binocular head, 360° rotatable, interpapillary distance: 54-75mm, visual adjustment: ±5 diopter. Zoom objective: 0.70-4.5X, working distance: 100mm				
	Eyepiece: High eye point wide field eyepiece WF10X/20mm				
	Objective: Zoom objective 0.70X-4.5X				
	Zoom Ratio: 6.4:1				
	Working Distance: 100mm				
	Stand: BSZ-BL6 Pillar stand transmitted base, pole diameter Φ32mm, pole height 228mm. Base size: 255*200mm, Φ95 glass plate, with clips. Incident and transmitted (1pcs LED lamp, 5W) LED illumination with separate control. Low				

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	voltage safety, low power consumption, and low heat generation. Origin: Imported having more than 20 plus installation refrenses.				
18	"Supply and delivery of Prepared Microscopic Specimen Slide Set for Veterinary Histology & Embryology (Set of 100 Histology / 50 Embryology slides), 3\5 µu m paraffin sections on 76 x26 mm ground-edge optical glass, H&E stained, DPX permanently mounted, chemically labeled, packaged in indexed ABS slide storage boxes." Quality Assurance & Inspection Requirements Optical Clarity Inspection: Slides must undergo 100% quality inspection under optical microscopy—slides showing air bubbles beneath the coverslip, tissue detachment, pale/over-stained matrix, or knife lines will be rejected. Packaging Protection: Slide boxes must be packed with shock-absorbing foam inserts between slides and vacuum-sealed in moisture-proof plastic wrap prior to shipment. Documentation: Supplied with complete bilingual index catalogue listing slide numbers, scientific names, tissue types, and sectioning orientations. Origin: Imported or Equivalent	Set of 25 pair		4	-
19	"Supply and delivery of Complete Reusable Veterinary Postmortem (Necropsy) Surgical Instrument complete Set (including Bone Saw, Rib Shears, Mallet, Bone Chisel, Skinning/Brain Knives, Bowel Scissors, Forceps, and BP Handles), constructed from AISI 420/304 stainless steel, autoclavable, housed in a perforated 304 SS sterilization carrying tray, compliant with ISO 13485 and CE standards."Quality Assurance & Inspection Requirements (BOQ Clause) Cutting & Mechanical Integrity: Scissors	Set		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	and bone shears must pass a clean cutting test through tough fibrous tissue and cartilage without jaw deformation or catching.Passivation & Corrosion Test: All instruments must pass a standard boiling water / copper sulfate passivation test without signs of rust or pitting.Traceability: Permanently laser-etched on each tool with manufacturer name/logo, material lot reference, and CE mark.Packaging: Complete kit packaged with blade guards and moisture-absorbent desiccant packs inside the primary carrying container. Origin: USA/Japan/ Europe				
20	Supply, installation, and commissioning of Mobile Embalming Vacuum Suction Pump Unit (40-60 L/min flow rate, 650 mmHg max vacuum), oil-free chemical-resistant motor, 2 x4000 ml autoclavable collection canisters with overflow protection, HEPA exhaust filter, stainless steel chassis, and foot pedal switch." Quality Assurance & Inspection Requirements Chemical Endurance Test: Pump seals and tubing must demonstrate zero breakdown or deformation when exposed to embalming chemical solutions. Overflow & Filter Test: Auto-shutoff float valve must immediately halt suction when canister reaches maximum capacity. Traceability & Documentation: Delivered with factory test certificate, user/maintenance manual, electrical safety certificate, and 12-month operational warranty. Accessories Included: Complete with 1 set of autoclavable aspiration tubes, trocar connection adapters, 5 spare hydrophobic filters, and 1 waterproof foot pedal. Origin: USA/Japan/Europe	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
21	Supply and delivery of Heavy-Duty 20L HDPE Plastic Wash Bucket, fitted with tight-sealing lid, heavy-duty metal bail handle, and leak-proof 1/2-inch dispensing tap with dual silicone gaskets, UV-stabilized, suitable for field sanitation and hygiene use." provides a chemical-resistant, durable option for veterinary clinics, animal care, and farm use Origin: Imported or Equivalent	No		2	-
22	Supply, installation, and commissioning of Electric Commercial Stainless Steel Meat & Bone Band Saw (2.0 kW motor, IP65 protection, 300mm cutting height), complete with safety pusher guard, adjustable thickness fence, bone dust tray, and emergency stop."Origin: Imported or Equivalent	No		2	-
23	Supply and delivery of Plastic drums with cover	No		10	-
	60 Liters origion: Imported or Eqvivalent				
24	Supply and delivery of Plastic buckets with cover	No		15	-
	130 Liters origion: Imported or Eqvivalent				
25	Supply and delivery of Enameled iron buckets Heavy-gauge Carbon Steel or Cast Iron (typically 20 to 22-gauge) Food-grade Porcelain Enamel (Double-fired at >1400°F / 760°C) 9 Liters (approx. 2.4 Gal) origion: Imported or Eqvivalent	No		5	-
26	Supply and delivery of Enameled iron trays Medium: 12" x 18" (approx. 30 x 45 cm) with a 5 cm depth for standard surgical instrument sets. origion: Imported or Eqvivalent	No		5	-
27	Supply and delivery of Enameled iron basins Core Material: Heavy-gauge pressed steel or cast iron base for high structural strength and impact resistance origion: Imported or Eqvivalent	No		5	-
28	Supply and delivery of Enameled iron	No		5	

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	mugs Material: Iron construction with a speckled or smooth enamel coating.Capacity: Large 22-oz. capacity (smaller camp variations are around 11–12 oz.). origion: Imported or Eqvivalent				-
29	Supply, delivery, Testing and commissioning ofAutoclave: Atomatic	No		1	-
	Capacity: 50 L				
	Sterilization room size: Φ 350 × 525 mm				
	Exterior dimensions: 510 × 510 × 1250 mm				
	Temperature range: 134 °C				
	Timer: 0 ~ 9999 mins				
	Maximum pressure: 0.22 Mpa				
	Power: 3.5 KW				
	Voltage: 220 V; 50 Hz				
	Weight: 58 kg origion: USA /EUROPE /Japan				
30	Supply, delivery, Testing and commissioning of Slide warmers (hot plates)	No		2	-
	Capacity: 23 slides				
	Temperature Range: RT to 75 °C				
	Display: LED				
	Power Consumption: 100 W				
	Power Supply: AC 220 V ±10%, 50 Hz / AC 220 V, 60 Hz origion: USA /EUROPE /Japan				
31	Supply, delivery, Testing and commissioning of Rotary Micro tome (Manual)	No		1	-
	Power: 100 - 240 VAC, 50/60 Hz				
	Maximum consumption: 50 VA				
	Dimension (W×D×H): 490 × 570 × 306 mm				
	Weight: Approx. 38 kg				
	Screen: 5 inch color touch screen				
	Control panel: Yes				
	Watse tray: 2000 mL volume, antistatic				
	Section thickness range: 0.5 - 100 µm				
	Setting values: For 0.5 - 5 µm in 0.5 µm increments				
	For 5 - 20 µm in 1 µm				

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	increments				
	For 20 - 60 µm in 5 µm increments				
	For 60 - 100 µm in 10 µm increments				
	Trimming thickness range: 1 - 600 µm				
	Setting values: For 1 - 10 µm in 1 µm increments				
	For 10 - 20 µm in 2 µm increments				
	For 20 - 50 µm in 5 µm increments				
	For 50 - 100 µm in 10 µm increments				
	For 100 - 600 µm in 50 µm increments origion: USA /EUROPE /Japan				
32	Supply, delivery, Testing and commissioning of Tissue floatation bath	No		1	-
	Capacity: 4 L				
	Temperature Range: RT to 75 °C				
	Internal Bath Diameter: 210 mm				
	Internal Bath Height : 65 mm				
	Relative Humidity: Less than 85 %				
	Heater Power: 400 W				
	Power Supply: 220V, 50-60 Hz				
	Dimensions: 330 × 330 × 175 mm				
	Net Weight: 2.27 kg				
	Gross Weight: 3.63 kg origion: USA /EUROPE /Japan				
33	Supply, delivery, Testing and commissioning of Hot air oven	No		1	-
	Chamber volume: 30 L				
	Number of shelves: 6				
	Inner chamber size (W xL x H): 310 x 310 x 310 mm				
	Temperature range: RT +10 °C to 300 °C				
	Cycle mode: Forced convection				
	Temperature resolutionRatio: 0.1 °C				
	Temperature motion: ± 1 °C				
	Temperature uniformity: ± 2.5 %				
	Inner chamber: Mirror stainless steel				
	Outer shell: Cold rolled steel electrostatic				

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	sprayed				
	Insulation layer: Silicate heat preservation				
	Heater: Stainless steel heater				
	Exhaust hole: ⌀ 28 mm top (with test hole function)				
	Display mode: LED				
	Timer: 0 ~ 9999 min (time wait function)				
	Sensor: Pt100				
	Load per rack: 15 kg				
	Shelf space: 35 mm				
	Power: 0.8 kW origion: USA /EUROPE /Japan				
34	Supply, delivery, Testing and commissioning of Analytical balance	No		1	-
	Weighing Capacity: 100g				
	Readability: 0.1mg				
	Linearity: + 0.2mg				
	Stabilization Time: ≤ 4s				
	Calibration: External				
	Pan Size: Ø85mm origion: USA /EUROPE /Japan				
35	Supply and delivery of Ice box	No		1	-
	Capacity: 57 L				
	Type: Standard				
	Insulation thickness: ≥25 mm				
	Insulation material: PU CFC free foam				
	External material: PE				
	Internal material: PP origion: USA /EUROPE /Japan				
36	Supply and delivery of Staining jars Material: Heavy-duty soda-lime glass, neutral glass, or chemical-resistant plastic (polyethylene/polypropylene) that resists stains like Diff-Quik, Wright-Giemsa, Eosin, and Hematoxylin Slide Capacity: Holds 5 individual slides vertically, or up to 10 slides back-to-back (larger Hellendahl or horizontal dishes can hold 20+ slides). origion: USA /EUROPE /Japan	No		2	-
37	Supply and delivery of Coupling jars	No		10	

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Routine Cytology: Used for processing ear swabs, skin scrapings, and fine-needle aspirates using Diff-Quik or Wright-Giemsa stains.Hematology: Holding and fixing blood smears to evaluate cell morphology in companion animals or livestock.Microbiology: Gram staining or acid-fast staining for identifying bacteria and fungal pathogens. origion: Imported or Equivalent				-
38	Supply and delivery of Specimen jars Materials: Clear polystyrene (PS) or polypropylene (PP) for visual clarity and impact resistance, or heavy-duty glass for chemical storage. complete set with Capacity Sizes: Ranging from small 15 ml, 30 ml, and 60 ml formats up to standard 4 oz (120 ml) cups and large 700 ml–17,000 ml storage jars origion: Imported or Equivalent	set		10	-
39	Supply and delivery of S.S staining trays Material: Heavy-duty, chemical-resistant stainless steel (easy to clean and resistant to routine laboratory stains and reagents). Capacity: Commonly holds anywhere from 30+ standard microscope slides (3" x 1") concurrently depending on the rack/tray size origion: Imported or Equivalent	No		10	-
40	**Beaker 1000 ml** Capacity: 1000 mL Material: Borosilicate glass or polypropylene Shape: Tall/low-form (Griffin type) Graduations: Usually approximate, not for precise volume measurement Uses: Preparing solutions, mixing reagents, heating liquids, and general laboratory work Typical marking range: 100–1000 mL	Per Piece		5	-
41	**Beaker 500 ml** Capacity: 500 mL Material: Borosilicate glass or polypropylene Shape: Tall/low-form (Griffin type) Graduations: Usually approximate, not for precise volume measurement	Per Piece		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Uses: Preparing solutions, mixing reagents, heating liquids, and general laboratory work Typical marking range: 500 mL				
42	**Beaker 200 ml** Capacity: 200 mL Material: Borosilicate glass or polypropylene Shape: Tall/low-form (Griffin type) Graduations: Usually approximate, not for precise volume measurement Uses: Preparing solutions, mixing reagents, heating liquids, and general laboratory work Typical marking range: 200 mL	Per Piece		5	-
43	**Beaker 100 m**l Capacity: 100 mL Material: Borosilicate glass or polypropyleneShape: Tall/low-form (Griffin type)Graduations: Usually approximate, not for precise volume measurementUses: Preparing solutions, mixing reagents, heating liquids, and general laboratory workTypical marking range: 100mL	Per Piece		5	-
44	**Cylinder 100 ml** Specification of 100 mL Graduated Cylinder Specification Details Capacity: 100 mL Material: Borosilicate glass or polypropylene Shape: Tall, narrow, cylindrical Graduations: Usually 1 mL divisions Accuracy: Approximate; more accurate than a beaker but less than a volumetric flask Base Wide, stable base Scale: Graduated in millilitres (mL) Reading: Read the bottom of the meniscus at eye level Main use Measuring and transferring liquids Common laboratory uses Preparing solutions, measuring reagents, and routine laboratory work	Per Piece		5	-
45	**Cylinder 1000 ml** Specification of 100 mL Graduated Cylinder Specification Details Capacity: 1000 mL Material: Borosilicate glass or polypropylene Shape: Tall, narrow, cylindrical Graduations: Usually 1 mL divisions Accuracy: Approximate; more accurate than a beaker but less than a volumetric flask Base Wide, stable base	Per Piece		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Scale: Graduated in millilitres (mL) Reading: Read the bottom of the meniscus at eye level Main use Measuring and transferring liquids Common laboratory uses Preparing solutions, measuring reagents, and routine laboratory work				
46	**Reagent Bottle 250 ml** Specification:**Capacity: 250 mL**Material: Borosilicate glass / laboratory-grade glassType: Narrow-mouth reagent bottleCap: Screw cap, chemically resistantColor: Clear or amber (amber for light-sensitive reagents)Graduation: Approximate volume markingsChemical resistance: Suitable for common laboratory reagentsApplication: Storage and handling of laboratory chemicals, stains, solutions, buffers, and reagentsUse: Veterinary Anatomy & Histology, pathology, microbiology, and general laboratory work	Per Piece		5	-
47	**Reagent Bottle 500 ml Specification:** Capacity: 500 mL Material: Borosilicate glass / laboratory-grade glass Type: Narrow-mouth reagent bottle Cap: Screw cap, chemically resistant Color: Clear or amber (amber for light-sensitive reagents) Graduation: Approximate volume markings Chemical resistance: Suitable for common laboratory reagents Application: Storage and handling of laboratory chemicals, stains, solutions, buffers, and reagents Use: Veterinary Anatomy & Histology, pathology, microbiology, and general laboratory work	Per Piece		5	-
48	**Reagent Bottle with dropper Pipette Styles: Ground-Glass Joint / Polystop**: Features a tapered glass stopper that seats perfectly into the neck of the bottle. This eliminates screw threads where chemicals can crust or crystallize. Screw-Top Dropper: A standard screw cap fitted with a pipette tube and flexible bulb,	Per Piece		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	offering a highly secure seal for transport and long-term storage.Material **Composition**: Typically blown from Borosilicate 3.3 glass to safely handle harsh acids, bases, and organic solvents without leaching. **Optical Safeguards:Clear Glass:** Used for standard buffers and non-reactive fluids where visibility is crucial.Amber Glass: Essential for light-sensitive laboratory stains (e.g., Gram stain iodine, silver nitrate) to prevent chemical photo-oxidation.				
49	**Volumetric Flask 10 ml** **Shape & Geometr**y: Features a distinct pear-shaped, flat-bottomed bulb that tapers into a long, narrow neck. This design ensures that minor changes in volume produce large, visible changes in fluid height. **The Calibration Mark**: A sharp, permanent graduation ring etched or printed on the neck. The solution is perfectly prepared only when the bottom of the meniscus aligns precisely at eye level with this line. **(Accuracy Grading:Class A**: The highest analytical precision standard, manufactured to strict international tolerances (ISO 1042 / ASTM E288). These often come with individual serialized calibration certificates. **Class B**: Features looser tolerances, meant for educational training or general laboratory tasks where extreme precision isn't critical. **Stopper Types**: Sealed tightly with either an interchangeable ground-glass stopper or a chemically inert polypropylene/polyethylene plastic stopper to allow secure mixing by inversion	Per Piece		5	-
50	**Volumetric Flask 250 ml** **Shape & Geometry**: Features a distinct pear-shaped, flat-bottomed bulb that tapers into a long, narrow neck. This design ensures that minor changes in volume produce large, visible changes in fluid height. **The Calibration Mark**: A sharp, permanent graduation ring etched or printed on the neck.	Per Piece		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	The solution is perfectly prepared only when the bottom of the meniscus aligns precisely at eye level with this line. **(Accuracy Grading:Class A**: The highest analytical precision standard, manufactured to strict international tolerances (ISO 1042 / ASTM E288). These often come with individual serialized calibration certificates. **Class B:** Features looser tolerances, meant for educational training or general laboratory tasks where extreme precision isn't critical. **Stopper Types**: Sealed tightly with either an interchangeable ground-glass stopper or a chemically inert polypropylene/polyethylene plastic stopper to allow secure mixing by inversion				
51	**Volumetric Flask 500 ml** **Shape & Geometry**: Features a distinct pear-shaped, flat-bottomed bulb that tapers into a long, narrow neck. This design ensures that minor changes in volume produce large, visible changes in fluid height. **The Calibration Mark**: A sharp, permanent graduation ring etched or printed on the neck. The solution is perfectly prepared only when the bottom of the meniscus aligns precisely at eye level with this line. **(Accuracy Grading:Class A**: The highest analytical precision standard, manufactured to strict international tolerances (ISO 1042 / ASTM E288). These often come with individual serialized calibration certificates. **Class B**: Features looser tolerances, meant for educational training or general laboratory tasks where extreme precision isn't critical. **Stopper Types**: Sealed tightly with either an interchangeable ground-glass stopper or a chemically inert polypropylene/polyethylene plastic stopper to allow secure mixing by inversion	Per Piece		5	-
52	**Ethanol** 500ml **Absolute Alcohol (≥99.5% - 99.9%):**	Bottels		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Anhydrous formula used for precise chemical synthesis, chromatography, histology tissue dehydration, and assays where water content interferes with results **Laboratory Reagent Grade (LR / 95%):** Standard grade optimized for general extraction, slide preparation rinsing, and surface decontamination **Denatured vs. Undenatured:** Denatured variations include additives (like IPA or bittering agents) to ensure it is non-consumable, reducing strict regulatory licensing overheads for general lab settings				
53	**Formalin 500ml** **Formalin 37% – 40% (Concentrated / Pure Grade):** **Purpose:** This is the standard concentrated saturated stock solution. It is stabilized with 10% to 15% Methanol to prevent polymerization during storage**.** **Usage:** Must be diluted down in the lab (usually a 1:10 ratio with water or buffer) to create a working solution.10% Neutral Buffered Formalin (NBF) (Ready-to-Use): **Purpose:** A working solution made by diluting concentrated formalin with a phosphate buffer to maintain a neutral pH (~7.0). **Usage**: Prevents the formation of dark "formalin pigment artifacts" on tissue samples, making it critical for high-clarity microscopic analysis in pathology or veterinary histology.	Bottels		3	-
54	**Sodium hydroxide 500ml** **Sodium Hydroxide** 500 mL (NaOH, commonly known as Caustic Soda or Lye in its solid state) is a highly corrosive, strong base widely deployed in laboratories for pH calibration, acid-base titrations, and chemical synthesis. **Standard Volumetric Solutions (0.1N / 1N)**: Pre-standardized, ready-to-use analytical chemistry solutions optimal for precise acid-base titrations without manual dilution errors. **Concentrated Industrial Solutions**: Heavy-duty liquid formulations used in manufacturing, biochemical extraction, or	Bottels		3	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	routine draining and equipment cleaning				
55	**Giemsa Stain 500ml** **Giemsa Stain 500 mL** is a vital classic Romanowsky-type differential diagnostic stain used globally across clinical pathology, hematology, and microbiology laboratories. Composed of a strategic mixture of methylene blue, eosin, and azure B dissolved in a specialized glycerol-methanol vehicle, it selectively differentiates acidic and basic cellular components under microscopic inspection. **Hematology & Cytology**: Extensively utilized to perform manual white blood cell (WBC) differential counts and analyze complex bone marrow morphology. **Cytogenetics:** Employed directly in chromosome karyotyping protocols via traditional G-banding identification techniques. **Microbiology/Histology**: Stains specific cellular structures and microorganisms including Chlamydia trachomatis, Borrelia spirochetes, and certain intracellular fung.	Bottels		2	-
56	**Haemotoxylin 500ml** **Hematoxylin 500 mL** (commonly spelled Haemotoxylin) is a foundational, naturally derived histological dye used universally alongside Eosin to perform the iconic H&E (Hematoxylin and Eosin) stain. Extracted from the heartwood of the logwood tree (Haematoxylum campechianum), it acts as a powerful basic dye that preferentially binds to negatively charged cellular structures, staining cell nuclei a vibrant dark blue or deep purple **Harris' Hematoxylin:** A highly potent, mercury-free formulation widely used in routine histopathology and Pap smears. It provides rapid, deep regressive staining of nuclear chromatin. **Mayer's Hematoxylin**: A progressive, alcohol-free formulation. Because it does not dissolve chromogens like AEC, it is heavily favored as a counterstain in Immunohistochemistry (IHC)	Bottels		2	-
57	**Eosin 500ml** **Eosin Y 500 mL** is an acidic xanthene dye	Bottels		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	that serves as the crucial counterstain to Hematoxylin in routine H&E staining protocols. Because it is negatively charged (anionic), it selectively binds to positively charged basic proteins in the cell, staining cytoplasm, extracellular matrix, collagen, and red blood cells in contrasting shades of pink, orange, and vibrant red. **Alcoholic Eosin Y (Standard 0.5% - 1.0%):** Formulated with an ethanol base. It offers the sharpest, most distinct differentiation of three tones of pink (muscle, collagen, and RBCs) and is favored for high-throughput diagnostic workflows. **Aqueous Eosin Y (0.5% - 1.0%):** Dissolved in pure distilled water. It works at a slightly slower staining rate and is excellent for frozen sections or routine laboratories where flammability risks must be eliminated				
58	**Canada Balsam 500ml** **Canada Balsam 500 mL** is a classic, naturally derived hydrophobic mounting medium harvested from the resin of the balsam fir tree (Abies balsamea). In modern histopathology, anatomy, and microbiology laboratories, it is universally used to glue coverslips onto stained specimen sections, creating permanent microscope slides that remain stable for decades without degrading.	Bottels		2	-
59	Supply and delivery of Paraffin dispensers Capacity: 6.25 Gallons (approx. 23.6 Liters)Temperature Control: Microprocessor-controlled heating elements that maintain temperatures within ±1°CKey Features: Features a unique no-clog heated spigot origion: Imported or Equivalent	No		2	-
60	Supply and delivery, testing and commissioning of Microscope fitted with camera and screen Viewing Head: Siedentop Binocular Head, Inclined at 30°, 360° Rotatable, Interpapillary Distance 48-75mm Camera System: Resolution 1280×1024	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	(5.0Mega Pixel) Output Mode USB2.0 Operation System Window 2000/ XP/ Vista/ Win 7 Software ScopeImage 9.0 Range of Viewing Field 90% Eyepiece: WF10×/18mm Objective: Achromatic Objective 4×, 10×, 40×, 100×(Oil) Nosepiece: Backward Quadruple Nosepiece Stage: Double Layer Mechanical Stage 132×142mm/ 75×40mm Focusing: Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm Condenser: Abbe NA 1.20 with Iris Diaphragm and Filter Illumination: 1W S-LED illumination, Brightness Adjustable origion: Imported having more than 20 plus installation refrenses.				
61	Supply and delivery of 1000 ml Borosilicate 3.3 Glass Staining / Reagent Bottles (Amber/Clear) with interchangeable precision ground-glass stoppers, ISO 4796-2 compliant, high chemical resistance, permanent ceramic graduations, fully autoclavable, suitable for veterinary diagnostic staining procedures."Quality Assurance & Inspection Requirements Joint Sealing Test: Ground-glass joints and stoppers must demonstrate a seamless, non-binding fit with zero liquid or vapor seepage when inverted with organic stain solvent.Workmanship: Free from micro-fissures, internal air bubbles, rough edges, or uneven base wall thickness.Packaging: Individually	Per Piece		10	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	wrapped in protective shock-absorbing sleeve packaging with protective paper between the ground joint and stopper to prevent seizing during transit. Origin: Imported or Equivalent				
	1000ml origion: Imported or Equivalent				
62	Deep Freezer	No		1	-
	Inverter Technology: Yes				
	Cooling Technology: Direct Cool				
	Product Type: Chest freezer				
	Product Color: Silver				
	Door Color: Grey				
	Freezer Position: Horizontal Twin Door Freezer				
	Handle Color: Grey				
	Control Type: Thermostat Knob				
	Door Lock: Yes				
	Control System: Mechanic				
	Freezer compartment illumination: Yes				
	Dimension:(WxDxH) 900x675x795				
	Capacity: 12 cubic feet				
	Door LED Light-Freezer: LED				
	W*D*H) 600 * 600 * 1500 mm, Temp Range -18 c to 30 c, 100% Copper condensor, Gas: R600a Eco-Friendly.				
				Sub Total of 1: (a)	**-**
(B) Department/Section of Veterinary Physiology					
S.No	**Name of equipment**	**Unit**	**Unit Price**	**Qty**	**Total Amount**
1	Providing, Supplying and Installation Compound microscopes (with eye pieces and objectives, etc. Complete)	No		10	-
	Viewing Head: Siedentop Binocular Head, Inclined at 30°, 360° Rotatable, Interpapillary Distance 48-75mm				
	Eyepiece: WF10×/18mm				
	Objective: Achromatic Objective 4×, 10×, 40×, 100×(Oil)				
	Nosepiece: Backward Quadruple Nosepiece				
	Stage: Double Layer Mechanical Stage				

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	132×142mm/ 75×40mm				
	Focusing: Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm				
	Condenser: Abbe NA 1.20 with Iris Diaphragm and Filter				
	Illumination: 1W S-LED illumination, Brightness Adjustable origion: Imported having more than 20 plus installation refrenses.				
2	Providing, Supplying and Installation Hemocytometers sets	Sets		10	-
	one set of Counting Chamber, one set of blood diluting pipettes for red corpuscles, one set of blood diluting pipettes for white corpuscles, one set of blood cover glass origion: Imported or Equivalent				
3	Providing, Supplying and Installation Haemoglobinometer- (Sahlis) Instrument polystyrene support with 2 coloured rods and opal glass plate comparator tube haemoglobin pipette 20 µl acc. to Sahli silicone tubing of approx. 16 cm length white mouthpiece dropping pipette with rubber teat stirring rod acid vial cleaning brush directions for use origion: Imported or Equivalent	Sets		10	-
4	Providing, Supplying and Installation Micro-hematocrit Machine	No		2	-
	Speed range: 200 rpm ~ 14000 rpm				
	Maximum RCF: 18620 × g				
	Speed accuracy: ± 30 rpm				
	Time range: 30 s ~ 99 mins				
	Speed increment: 10 rpm origion: USA/ EUROPE /Japan				
5	Providing, Supplying and Installation Centrifuge machines upto 6000 RPM	No		3	-
	max.rcf: 4430*g				

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Max Speed: 6000rpm Display: LED Display Max capacity: 100ml*4 Timer: 1-99min Noise: <65dB Dimension(L*W*H): 460x360x325mm origion: USA/ EUROPE /Japan				
6	Providing, Supplying and Installation Wintrobes sets for hematology Length: 110 mm to 115 mm Internal Diameter (Bore): 2.5 mm to 3.0 mm (uniform throughout) Capacity: Approximately 0.7 mL to 1.0 mL of blood origion: USA/ EUROPE /Japan	Sets		10	-
7	Providing, Supplying and Installation Kymograph with accessories and plotter (Machine) Kymograph Stimulator:Same as Universal Kymograph Output Voltage:0 to 25 V, 0 to 250 mV, 0 to 2.5 V and 0 to 25 V control by variable Sockets:2 x 4 mm sockets Impedance:< 25 W at maximum output current of 250 mA Frequency:1 to 50 pluses per second Mode Selection:Continuous, single and trigger via contact arms on spindle included Pulse Width:2 m/seconds (Fixed) Cylinder:200mm (8 inch) and is made of plastic origion: USA /EUROPE/ Japan	No		5	-
8	Providing, Supplying and Installation Digital Homogenizer machine Pressure (Bar) 200 Bar – 1.500 Bar Capacity (L/h) :20 L/h – 30.000 L/h Power (kW) :2.2 – 250 kW USA /EUROPE/ Japan	No		1	-
9	Supply and delivery of Dissecting sets. With kit and Tray This veterinary dissecting kit includes a carefully curated selection of instruments to handle a wide range of dissection tasks: or Equivalent 5″ Straight Tip Teasing Needle with Steel Handle (1 Pc) Curve Tip Teasing Needle with Steel Handle (1 Pc)	Set		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Arrow Point Tip Teasing Needle with Steel Handle (1 Pc) 4″ Splinter Tweezers Forceps Curved (1 Pc) 4.5″ Splinter Tweezers Forceps (1 Pc) 4.5″ Iris Scissor (1 Pc) 6″ Mall Probe Seeker with Curved End (1 Pc) 5″ Scalpel Knife Handle No. 4 (1 Pc) 5″ Mosquito Forceps (1 Pc) 5.6″ Groove Director (1 Pc) 4″ 1×2 Teeth Dissecting Forceps (1 Pc) Magnifying Mirror (1 Pc) Surgical Blades (2 Pcs) 4 T-Pins Padded Storage Case (1 Pc) origion: Imported or Equivalent				
10	Providing, Supplying and Installation Stethoscope. Up to 40x amplification (at peak frequency vs. analog mode) Active noise cancellation In-app sound wave visualization when used with the Eko app Toggle between analog and amplified listening modes to suit your needs Plus other powerful features designed to help give you a clearer picture of the health of your patients origion: Imported or Equivalent	No		2	-
11	Supply and delivery of Accu check Glucometer (Instant) or Equivalent Dimensions:77.3 × 48.6 × 16.0 mm (LWH) Display:LCD Test Strip:Accu-Chek Instant test strip Measuring time:Less than 4 seconds origion: Imported or Equivalent	No		2	-
12	Providing, Supplying and Installation Water Bath Interior dimension: 300 x 300 x 120 mm Capacity: 10 L Temperature range: RT+5 °C to 99 °C Temperature tolerance: ± 1 °C Temperature homogeneity: ± 1 °C Power: 1000 W Voltage: 220 V/50 Hz	No		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Exterior dimensions: 370 x 370 x 240 mm origion: USA/ EUROPE/ Japan				
13	Supply and delivery of TDS, PH, EC, Temp meter Set	Set		10	-
	TDS measuring range: 0 ~ 9999 ppm				
	Temperature range: 0 °C ~ 50 °C				
	Resolution: 10 ppm				
	Accuracy: ± 2 % FS				
	Battery power: 1.5 V				
	Dimensions: 190 mm × 38 mm				
	Weight: 80 grams origion: USA/ EUROPE/ Japan				
14	Providing, Supplying and Installation Autoclave (Digital)	No		1	-
	Capacity: 50 L				
	Sterilization room size: Φ 350 × 525 mm				
	Exterior dimensions: 510 × 510 × 1250 mm				
	Temperature range: 134 °C				
	Timer: 0 ~ 9999 mins				
	Maximum pressure: 0.22 Mpa				
	Power: 3.5 KW				
	Voltage: 220 V; 50 Hz				
	Weight: 58 kg origion: USA/ EUROPE/ Japan				
15	Supply and delivery of ESR stands Materiel: Stainless Steel. Size: 5 Hole origion: Imported or Equivalent	No		5	-
16	Providing, Supplying and Installation Distillation apparatus	No		1	-
	20L/hr origion: Imported or Equivalent				
17	Providing, Supplying and Installation Demonstration table/lab table (Standard Size) for demonstrating experiments	No		1	-
	(amphitheaters) will having a removable trevis and a removable demonstration table sufficient to accommodate 30 students. origion: Imported or Equivalent				
18	Providing & Supplying Slide Boxes Capacity Option: Available in 50-place slide capacities Dimensions (approximate):50-slide: 113 × 165 × 61 mm Materials: Impact-resistant ABS plastic or rigid polystyrene (PS). ABS versions are often autoclavable and heavy-duty origion: Imported or Equivalent	Box		10	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
19	Providing, Supplying and Installation Deep freezer	No		1	-
	Inverter Technology: Yes				
	Cooling Technology: Direct Cool				
	Product Type: Chest freezer				
	Product Color: Silver				
	Door Color: Grey				
	Freezer Position: Horizontal Twin Door Freezer				
	Handle Color: Grey				
	Control Type: Thermostat Knob				
	Door Lock: Yes				
	Control System: Mechanic				
	Freezer compartment illumination: Yes				
	Door LED Light-Freezer: LED Temp: O to 8 degree				
	Voltage (V): 230 origion: Imported or Equivalent Dimensions (W × D × H): 1500 × 700 × 850 mm ,				
20	Providing, supplying and fixing wherever required, Heavy-Duty Stainless Steel Laboratory Stool, fabricated from SS-303/304 stainless steel or equivalent approved quality, having 350 mm seat diameter and adjustable overall height from 450 mm up to 600 mm, complete with sturdy frame, smooth corrosion-resistant finish, non-slip feet and all necessary fittings, suitable for laboratory use; Origin: Imported or Equivalent.	No		50	-
21	Providing and supplying, Sliding Writing Board Material porcelein coated steel; highly durable Scratch resistance non poror anti ghosting and ideal for heavy daily Use , with frosted dark green or matte black ceramic-coated/painted magnetic steel writing surface, non-glare, chalk-friendly, magnetic, durable and easy to cleaan Size 120x180 Origin: Imported or Equivalent.	No		2	-
22	Providing, supplying and fixing wherever required, Wooden almirah for bone-sets Material Structure: High-density particle board or treated hardwood coated with a heavy-duty melamine or high-pressure laminate (HPL) finish to resist moisture, disinfectant wiping, and scratching. Dimensions: Standard clinical height of 200 cm, width of 90 cm, and depth of 50 cm to accommodate standard instrument sterilizing baskets and bone-set trays.;	No		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Origin: Imported or Equivalent				
23	Providing, supplying and fixing wherever required, Steel almirah for microscopes Stainless Steel, 18 Gauge Material Grade: AISI 304 Stainless Steel (non-magnetic, highly resistant to chemical reagents, bodily fluids, and frequent washing).Sheet Thickness: 18 Gauge (approx. 1.2 mm) for heavy-duty structural rigidity and load-bearing stability.Dimensions (Standard): 78 in (H) x 36 in (W) x 20 in (D) (or customized compact/wall-mounted configurations depending on clinic footprint).; Origin: Imported or Equivalent	No		1	-
24	Providing, supplying and fixing wherever required, Steel racks Stainless Steel 18G Common Widths: 70″ (1778 mm).Common Depths: 30″ (762 mm).Common Heights: 72″ (1829 mm) origion: Imported or Eqvivalent	No		2	-
25	Providing, supplying and Installation Glass almirah A standard veterinary glass almirah (medical storage cabinet) typically measures 78″ to 80″ in height, 36″ in width, and 18″ in depth. origion: Imported or Eqvivalent	No		2	-
26	Providing, supplying and Installation, Show cases of Standard Size (glass paneled) Material Composition: Combination of SUS 304 stainless steel framing with robust 5mm to 12mm thick tempered glass side walls to withstand physical impacts. origion: Imported or Eqvivalent	No		2	-
				Total	**-**
(C) Department/Section of Biochemistry (attached with Veterinary Physiology)					
S.No	**Name of equipment**	**Unit**	**Unit Price**	**Qty**	**Total Amount**
1	Supply and delivery of Burette, 50 mL, Class A: Borosilicate 3.3 glass, 0.1 mL subdivisions (pm 0.0 mL accuracy), with leak-proof PTFE stopcock and permanent enamel graduations. Complete with batch test certificate. Burette Stand & Double Clamp Set: Heavy-duty	Piece/Set		2	-

S.No	Name of equipment	Unit	Unit Price		Qty	Total Amount
	epoxy-coated cast iron base, chrome-plated steel rod (700 ml, complete with double-sided, rubber-jawed corrosion-resistant burette clamp or Equivalent					
2	Supply and delivery of Class A Borosilicate 3.3 Glass Serological Pipettes (1 ml, 5 ml, 10 ml capacities), ISO 835 compliant, color-coded, permanent ceramic graduations, fully autoclavable, including batch calibration certificates.Quality Assurance & Inspection Requirements Calibration & Testing: Glass pipettes must be supplied with Class A batch performance certificates. Micropipettes must include individual gravimetric test reports per ISO 8655.Workmanship: Glass pipettes must be free of stress cracks, chips, or rough fire-polished tips. Micropipettes must show smooth piston stroke resistance with distinct two-stage plunger stops (blow-out function). Accessories Included (Micropipettes): Each micropipette unit must include 1 calibration tool, 1 silicone lubricant tube, 5 spare nozzle protection filters, 1 wall/carrousel mounting bracket, and 1 starter box of matching autoclavable tips." Origin: Imported or Equivalent					
(i)	1 ml		Per Piece		12	-
(ii)	5 ml		Per Piece		12	-
(iii)	10 ml		Per Piece		12	-
3	Supply and delivery of Volumetric flasks 50 ml, 100 ml, 250 ml, 500 ml (Measuring Flasks) are flat-bottomed, pear-shaped laboratory glassware calibrated to contain (TC / In) an exact volume of liquid at a specified temperature of degree 20 C origion: Imported or Equivalent					-
(i)	50 ml,		Per Piece		5	-
(ii)	100 ml		Per Piece		5	-

S.No	Name of equipment	Unit	Unit Price		Qty	Total Amount
(iii)	250 ml		Per Piece		5	-
(iv)	500 ml		Per Piece		5	-
4	Supply and delivery of Measuring cylinders 10 ml, 50 ml, 100 ml , 250 ml & 500 ml essential laboratory glassware used to measure liquid volumes accurately. origion: Imported or Equivalent					
(i)	10 ml,		Per Piece		15	-
(ii)	50 ml,		Per Piece		15	-
(iii)	100 ml		Per Piece		15	-
(iv)	250 ml		Per Piece		15	-
(v)	500 ml		Per Piece		15	-
5	Supply and delivery of complete set of each volume Test tubes 15- 20 ml Tubes types 1. Glass Test Tubes (Centrifuge-Safe) 2. Falcon Tubes (Conical) 3. Anticoagulant Blood Tubes 4. Test tubes racks (3 ml, 5 ml, 10 ml, 15 ml) origion: Imported or Equivalent		Set		12	-
6	Supply and delivery of Conical flasks 100 ml, 250 ml, 500 ml (also known as Erlenmeyer flasks) feature a flat bottom, a conical body, and a narrow cylindrical neck. Their unique shape makes them one of the most versatile pieces of equipment in chemical and biological laboratories. origion: Imported or Equivalent					
(i)	100 ml		Per Piece		10	-
(ii)	250 ml		Per Piece		10	-
(iii)	500 ml		Per Piece		10	-
7	Supply and delivery of Digital pH meter Measuring range pH: 0.0 to 14.0 pH mV: -1999 to 1999 mV		No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Accuracy pH: ±0.05 pHmV: ±10 mV Resolution pH: 0.01 pH mV: 1 mV Temperaturecompensation: Manual, 0 to 100°C Calibration points: 2 Compatible calibration solutions: USA (pH 4.01/7.00/ 10.01) Display: LCD Power supply: DC 9 V/400 mA power adapter origion: USA/EUROPE/Japan				
8	Supply and delivery of Refrigerator Inverter Technology:Non-Inverter Cooling Technology:Direct Cool Door Type:Double Door Freezer Position:Top Total Shelves:3 Refrigerator Door Pockets:2 Freezer Door Pockets:2 Temp range: 0°C to 8°C Degree Number of Crisper:1 Ice Tray:Icebox (21 pcs) origion: Imported or Equivalent Dimensions (W × D × H): 600 × 600 × 1500 mm	No		5	-
9	Supply and delivery of Double distillation set Available capacity: 1.5, 2.5, 3.5, 4, 5 Ltr/Hr Input voltage: 230 V AC ± 10, 50-60 Hz Biological Activity: Pyrogen Free PH: 6.9 – 7 Conductivity S/cm: <1×10-6 origion: Imported or Equivalent	Set		1	-
10	Supply and delivery of Automatic hematology analyzer Throughput:60 samples/hourPrinciple:Impedance for WBC differentiation and WBC/RBC/PLT count; Colorimetric method for HGBChannels:2Parameters:21 parameters(including WBC, Mid#, Lym#, Gran#, Mid%, Lym%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC)Histograms:3 histograms(including WBC, RBC, PLT histograms)Sample	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Volume:Venous blood: 10µl, Capillary: 10µl, Prediluted: 20µlCalibration:Manual, auto calibrationCounting Modes:Venous, capilary, predilutedPrinting Model:Auto print, manual print origion: USA/ EUROPE/ Japan				
11	Supply and delivery of pH Strips box for Urine Analysis Single-use test strips for measuring pH from 2-9 Indicator is fixed to the test pads to help prevent dye from bleeding into the sample Includes color chart for matching color and position of the test pads Long plastic handle reduces contact with the sample Pack of 100 origion: Imported or Equivalent	Set		2	-
12	Supply and delivery of Hot air oven Chamber volume: 125 L Number of shelves: 02 Inner chamber size (W xL x H): 500 x 450 x 550 mm Temperature range: RT +10 °C to 300 °C Cycle mode: Forced convection Temperature resolution ratio 0.1 °C Temperature motion: ± 1 °C Temperature uniformity: ± 2.5 % Inner chamber: Mirror stainless steel Outer shell: Cold rolled steel electrostatic sprayed Insulation layer: Silicate heat preservation Heater: Stainless steel heater Exhaust hole: ⌀ 28 mm top (with test hole function) Display mode: LED Timer: 0 ~ 9999 min (time wait function) Operational function: Fixed temperature operation , timing function , auto stop Sensor: Pt100 Load per rack: 15 kg Shelf space: 35 mm origion: USA/ EUROPE/ Japan	No		1	-
13	Supply and delivery of Centrifuge (controlled Temp.) Voltage: 220V / 50HzSpeed:	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Adjustable up to 4000 RPMCapacity: 6 tubes (20ml each)Control: Manual timer and speed origion: USA/EUROPE/Japan				
14	Supply and delivery of pH meter Measuring range pH: 0.0 to 14.0 pH mV: -1999 to 1999 mV Accuracy pH: ±0.05 pHmV: ±10 mV Resolution pH: 0.01 pH mV: 1 mV Temperaturecompensation: Manual, 0 to 100°C Calibration points: 2 Compatible calibration solutions: USA (pH 4.01/7.00/ 10.01) Display: LCD Power supply: DC 9 V/400 mA power adapter origion: USA/ EUROPE/ Japan	No		2	-
15	Supply and delivery of Microwave Oven Power: 700 watt - Capacity: 20 Litre - 5 micro power levels - Defrost function - Easy open glass door - Large glass turntable origion: Imported or Equivalent	No		1	-
16	Supply and delivery of set of different volumes of Reagent Bottles 100 ml, 250 ml, 500 ml origion: Imported or Equivalent (Required different volume as mentioed above in one set) Origin: Imprted or Equivalent	Set		5	-
17	Supply and delivery of Test Tube Racks Hole Sizes & Tube Diameters:13 mm: Fits standard small-to-medium veterinary blood collection tubes (such as EDTA, serum, heparin, or citrate tubes).16 mm / 17 mm: Fits larger blood tubes or standard centrifuge tubes. origion: Imported or Equivalent	No		5	-
18	Supply and delivery of set of different volumes 3-Piece Borosilicate 3.3 Glass Low-Form Beaker complete Set (50ml, 100 ml, 250 ml) (Provisding set of each volume as mentioned), ISO 3819 compliant, reinforced rim with drip-free spout, permanent white	Set		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	ceramic graduations, high thermal and chemical resistance, fully autoclavable." Quality Assurance & Inspection Requirements Thermal Annealing Test: Glass must be stress-relieved via controlled thermal annealing to prevent stress fractures under rapid heating or cooling.Workmanship: Free from internal air bubbles, inclusions, micro-cracks, or uneven base wall thickness.Packaging: Packed as nested sets with shock-absorbent cell dividers inside corrugated inner boxes to prevent breakage during transport. Origin: Imported or Equivalent				
19	Supply and delivery of complete set of different volumes of Pasteur/transfer droppers Material: Medical-grade, non-toxic Low-Density Polyethylene (LDPE) or borosilicate glass.Capacity Sizes: 1 mL, 3 mL, and 5 mL nominal draw volumes. origion: Imported or Equivalent	Set		50	-
20	Supply and delivery of Urine Sample Bottles Material: Medical-grade Polypropylene (PP) or High-Density Polyethylene (HDPE) for chemical resistance and durability.Capacity: Standard sizes include 30 ml universal containers for small pets and 120 ml cups for larger volume collections. origion: Imported or Equivalent	No		100	-
21	Supply and delivery of complete set of different volumes of set of 4-Piece Borosilicate 3.3 Glass Funnel & Separating Funnel Set (100ml & 250ml Conical Filter Funnels + 100ml & 250ml Pear-shaped Separating Funnels with PTFE stopcocks and interchangeable stoppers), ISO 4800 compliant, high chemical resistance, fully autoclavable."Quality Assurance & Inspection Requirements Leakage & Pressure Test: Separating funnels must undergo a 100% hydrostatic leak test—filled with organic solvent, inverted, and shaken for 5 minutes with zero fluid leakage past the stopper or PTFE plug.Workmanship: Stems and stopcock barrels must be free from air bubbles, glass	Set		5	-

S.No	Name of equipment	Unit	Unit Price		Qty	Total Amount
	strains, micro-cracks, or uneven wall thickness.Packaging: Shipped as complete sets in custom shock-absorbing foam inserts with individual protective sleeves for stopcock plugs and stoppers to prevent breakage during transport. Origin: Imported or Equivalent					
22	Supply and delivery of Glass stirring rods Borosilicate 3.3 glass with a typical length of 150 mm to 300 mm (6 to 12 inches) and a diameter of 5 mm to 8 mm origion: Imported or Equivalent	Per Piece			10	-
23	Supply and delivery of Filter papers boxes Vet Spectrum Single Use Filters: Dimensions of 130 x 110 mm, built with indicators for hydrogen peroxide sterilization, packaged in boxes of 100 pcs origion: Imported or Equivalent	Per Box			5	-
24	Supply and delivery of Glass cuvettes (rectangular) Common Application Manual spectrophotometer testing, standard calibrations. Material TypeOptical Glass (OG) / Borosilicate Spectral Range340 nm to 2,500 nm origion: Imported or Equivalent	Per Piece			10	-
25	Supply and delivery of Glass Petri dishes Material: Borosilicate glass 3.3 (high thermal and chemical resistance, withstands repeated autoclaving). Imported or Equivalent	Per Piece			10	-
26	Supply and delivery of Capillary tubes box Standard Length: 75 mm (fits most standard centrifuges; some mini-centrifuges use 40 mm) Volume: ~75 µLMaterial: Borosilicate glass or soda-lime glass origion: Imported or Equivalent	Per Piece			1	-
27	Supply and delivery of Magnetic stirrer with hot plate Stirring capacity: 50 ml ~ 15 LTop ceramic dimension: 280 mm × 280 mmPower: 750 WTemperature: 400 °CStirring range: 0 rpm ~ 2000 rpmStirring speed accuracy: ± 1 rpmTemperature accuracy: ± 1 °C origion: USA/ EUROPE/ Japan	No			2	-
28	Supply and delivery of Vortex mixer Electrical:120 V, 0.25 A, 30 W Orbit:4.9 mm (0.194")	No			5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Speed range:300–2500 rpm (on mode) 300–3500 rpm (touch mode) Operating Temperature:4 to 40°C (39 to 104°F) Shipping Weight:6.8 kg (15 lbs.) Dimensions:16.8W x 24.1L x 16H cm (65/8 x 91/2 x 65/16") Capacity:1.13 kg (2.5 lbs.) origion: USA/ EUROPE/ Japan				
29	Supply and delivery of Retort/iron stands and Tripod stands Material: Heavy-duty cast iron base with a corrosion-resistant stainless steel or chrome-plated steel vertical rod.Base Dimensions: Typically 8" x 5" up to 8.1" x 5.7" (approx. 200 x 125 mm to 210 x 130 mm). origion: Imported or Equivalent	No		2	-
30	Supply and delivery of Test tube holders, Test tube clamps, Wire gauze, Bunsen burners/gas burners origion: Imported or Equivalent	No		5	-
31	Supply and delivery of Spirit lamps, Thermometers Capacity: Standard volume is typically around 120 cc. Features: Includes a wick for flame adjustment and a safety cap to extinguish the flame. Many models are fully autoclavable and reusable Temperature Range: Typically spans from 32°C to 44°C (90°F to 111°F) for clinical animal monitoring, though general lab/ambient versions cover wider ranges (e.g., -30°C to 50°C) origion: Imported or Equivalent	No		5	-
32	Supply and delivery of sets of different volume 3-Piece Variable Volume Single-Channel Micropipette Set P20: 2µL to 20µL, P200: 20µL to 200µL, P1000: 100µL to 1000µL, fully autoclavable, ISO 8655 compliant, ceramic/PVDF piston, complete with benchtop carousel stand, calibration keys, starter tip racks, and ISO 17025 test certificates."Quality Assurance & Inspection Requirements Gravimetric Calibration Test: Each micropipette must be delivered with individual calibration certificates recording 10-measurements gravimetric test data at 10%, 50%, and 100% nominal volume ranges. Workmanship: Smooth plunger stroke	Set		5	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	resistance with clear tactile 2-step soft stops (blow-out function) and smooth tip ejector engagement.Packaging: Complete 3-pipette set packaged in custom shock-absorbing foam lining inside a protective storage box. Origin: Imported or Equivalent				
33	Supply and delivery of Mortar and pestle Material: High-grade, unglazed porcelain or Wedgewood ceramic for the interior basin and grinding tip. Capacity: Commonly ranges from 2 oz to 8 oz (approx. 60 ml to 250 ml) for standard clinic compounding, though larger 500 ml+ sizes exist for heavy-duty or large-animal practices origion: Imported or Equivalent	No		2	-
34	Supply and delivery of different volumes of Wash bottles Material: Low-Density Polyethylene (LDPE) body for high flexibility and chemical resistance, paired with a Polypropylene (PP) screw closure.Capacity: Commonly available in 125 mL, 250 mL g during clinical procedures. origion: Imported or Equivalent	No		10	-
35	Supply and delivery of First-aid box durable, water-resistant, hard-sided container stocked with pet-safe wound care, bandaging layers, and specialized handling tools origion: Imported or Equivalent	No		2	-
36	Supply and delivery of Chemical/reagent storage cabinet Material: High-density Polypropylene (PP) or cold-rolled steel with an acid-resistant epoxy/PP inner lining to prevent rust from formalin, iodine, and liquid disinfectants Dimensions (Full-Size): External width 900 mm, depth 450 mm, height 1800 mm origion: Imported or Equivalent	No		2	-
				Sub Total of 1: (c)	**-**
				Sub Total of 1: a+b +c	**-**
2. (a) Department/Section of Veterinary Microbiology					
S.No	Name of equipment	Unit	Unit Pric	Qty	Total Amount

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
			e		
1	Providing, supplying and fixing wherever required, Work-top/Wooden Laboratory Table fitted with 5-amp plug points, suitable for 20 pairs of students, overall length 4000 mm and width 1200 mm for face-to-face seating, with worktop of 25 mm thick imported birch plywood or equivalent BWP/marine-grade plywood, laminated on both faces with minimum 0.8 mm HPL and finished with 2–3 mm PVC/ABS edge banding or hardwood lipping, complete with sturdy supporting frame, concealed cable management, proper earthing and all necessary fittings; Origin: Imported or Equivalent.	No		10	-
2	Providing, supplying and fixing wherever required, Heavy-Duty Stainless Steel Laboratory Stool, fabricated from SS-303/304 stainless steel or equivalent approved quality, having 350 mm seat diameter and adjustable overall height from 450 mm up to 600 mm, complete with sturdy frame, smooth corrosion-resistant finish, non-slip feet and all necessary fittings, suitable for laboratory use; Origin: Imported or Equivalent.	No		60	-
3	Providing, Supplying and Installation of Autoclave (horizontal) Digital Capacity:150L Designed Pressure:0.28MPa Built-in Steam Generator:Yes Rated Working Pressure: 0.12MPa/0.23MPa Rated Operating Temperature: 121℃/134℃ Ambient Temp:5~40℃ Adjustable Drying Temperature Range: 115~134℃ Temp. Precision:0.1℃ Sterilization Timing Adjustable Range: 1~99min Adjustable Drying Timing Range: 1~99min Vacuum System:No Chamber Material:304 stainless steel Chamber Size:Φ500*820mm Consumption:10KW Origion: USA/ EUROPE/Japan	No		1	-
4	Providing, Supplying and Installation of Hot	No		1	

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	air Oven Chamber volume: 125 LNumber of shelves: 02Inner chamber size (W xL x H): 500 x 450 x 550 mmTemperature range: RT +10 °C to 300 °CCycle mode: Forced convectionTemperature resolutionratio 0.1 °CTemperature motion: ± 1 °CTemperature uniformity: ± 2.5 %Inner chamber: Mirror stainless steelOuter shell: Cold rolled steel electrostatic sprayedInsulation layer: Silicate heat preservationHeater: Stainless steel heaterExhaust hole: ⌀ 28 mm top (with test hole function)Display mode: LED origion:USA/ EUROPE/ Japan				-
5	Supply and delivery of Sterile 0.22mu m & 0.45mu m PES/PTFE Membrane Syringe Filter Assemblies (33mm diameter, female Luer-Lok inlet), medical-grade polypropylene housing, ultra-low protein binding, Gamma-sterilized, non-pyrogenic, USP Class VI compliant, individually blister packed (Box of 50/100)." Quality Assurance & Inspection Requirements (as per contract) Bubble Point Integrity Test: 100% of manufacturing lots must pass bubble point integrity testing (>3.4 for 0.22mu m wet with water) to guarantee pore size rating. Burst Pressure Test: Assemblies must withstand a minimum hydraulic burst pressure of 8.0 thout housing rupture or bypass leakage. Packaging & Documentation: Delivered in protective cartons containing individually sealed sterile pouches printed with pore size, membrane type, lot number, and expiration date. Certificate of Analysis (CoA) must accompany each batch. Origin: Imported or Equivalent	No		1	-
6	Supply and delivery of Filtering assembly – large (0.45) & small (0.20) origion: Imported or Equivalent	No			
a	Large (0.45) µm			25	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
b	Small (0.20) µm			25	-
7	Providing, Supplying and Installation of Binocular research microscope (100 x lens, light supply, moving	No		1	-
	stage, etc.) Optical System: NIS Infinite Optical SystemEyepiece: WF10×/18mmViewing Head: Siedentop Binocular Head, Inclined at 30°, 360° Rotatable, Interpapillary Distance 48-75mmAchromatic Objective: 4×, 10×, 40×, 100×(Oil)Nosepiece: Backward Quadruple NosepieceStage: Double Layer Mechanical Stage 132×142mm/ 75×40mmCondenser: Abbe NA 1.20 with Iris Diaphragm and FilterFocusing: Coaxial Coarse & FineAdjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mmIllumination: 1W S-LED illumination, Brightness AdjustableOther Accessories: Dust Cover Power Adapter: DC5V Input Instruction ManualImmersion oil: 5ml Immersion oil origion: Imported having more than 20 plus installation refrenses.				
8	Providing, Supplying and Installation of Projector/COTV for attachment to binocular microscope Sensor & Size: 5.1M/IMX335(C) 1/2.8“ (5.18x3.89) Pixel(µm): 2.0x2.0 G Responsivity: Dynamic range SNRmax 505mV 70dB 43dB FPS/Resolution: 25@2592x1944 40@1296x972 Binning: 1x1 2x2 Exposure: 0.1ms~2000ms Spectral Range: 380-650nm (with IR-cut Filter) White Balance: ROI White Balance/ Manual Temp Tint Adjustment/NA for Monochromatic Sensor	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Color Technique: Ultra-FineTM Color Engine/NA for Monochromatic Sensor Capture/Control API Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc) Recording System Still Picture and Movie Cooling System* Natural origion: Imported having more than 20 plus installation refrenses.				
9	Providing, Supplying and Installation of Dark field microscope with light source, etc. Optical System: Infinite Optical System Viewing Head:Inclined 30° trinocular tube, 360° rotatable, interpupillary distance: 48-75mm, splitting ratio: eyepiece: trinocular=20:80 Eyepiece:High eyepoint wide field eyepiece WF10X/20mm Plan Achromatic Objective:4X, 10X, 40X/NA 0.65 (S), 100X/NA 1.25 (Oil) (S) Nosepiece:Backward Quadruple Nosepiece Focusing:Coaxial coarse & fine focusing knobs, travel range: 26mm, Scale:2um Stage:Double layers mechanical stage, size: 145mm*140mm, cross travel 76mm*52mm, scale 0.1mm, two slide holders Dark Field Condenser:N.A.0.9 (Dry) Dark field condenser (for 10X-40X objectives) Video Adapter:0.5X C-mount adapter, adjustable focus origion: Imported having more than 20 plus installation refrenses.	No		1	-
10	Providing, Supplying and Installation of Phase contrast microscope (built in light, etc.) Optical System: Infinite Optical System Viewing Head:Inclined 30° trinocular tube, 360° rotatable, interpupillary distance: 48-75mm, splitting ratio: eyepiece: trinocular=20:80 Eyepiece:High eyepoint wide field eyepiece WF10X/20mm Nosepiece:Backward Quadruple Nosepiece	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Focusing:Coaxial coarse & fine focusing knobs, travel range: 26mm, Scale:2um Stage:Double layers mechanical stage, size: 145mm*140mm, cross travel 76mm*52mm, scale 0.1mm, two slide holders Independent Phase Contrast Unit: Infinite Plan Phase Contrast 10X Infinite Plan Phase Contrast 20X Infinite Plan Phase Contrast 40X Infinite Plan Phase Contrast 100X Phase contrast slide Condenser Telescope Video Adapter:0.5X C-mount adapter, adjustable focus origion: Imported having more than 20 plus installation refrenses.				
11	Supply and delivery of Hanging drop preparation slides with cover slips Depression Slides (Cavity Slides):Dimensions: Standard 25 mm × 75 mm (1" × 3") width and length.Thickness: 1.0 to 1.2 mm thick.Well/Concavity: Single or double depression, approximately 15 to 18 mm in diameter and 0.2 to 0.5 mm deep, ground and polished.Material: High-quality, corrosion-resistant clear optical glass. origion: USA/ EUROPE/ Japan	Box		15	-
12	Providing and Supply of Platinum loops with extra platinum wire) specialized tools designed for bacterial culturing, streaking, and sample transfer Material Composition: Made of Brown & Sharpe (B&S) platinum wire alloyed with 15% iridium Wire Gauges:19 Gauge: Used for larger or 10-microliter calibrated loops (common for milk sample testing). origion: Imported or Equivalent			25	-
13	Supply and delivery of Bunsen burners Total Height: 130 mm – 155 mm Base Diameter: 80 mm – 85 mm (pressed-steel or zinc alloy) Burner Tube/Barrel Length: Approx. 100 mm Tube Outer Diameter: 12 mm – 14.5 mm Gas Inlet (Nozzle): ~8 mm to 9 mm Outer	No		15	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	diameter serrated/riffled connector Max Flame Temperature: Up to 1,500°C – 1,560°C (depending on gas and air mixture) Origion: USA/EUROPE/Japan				
14	Supply and delivery of pH meter (electrodes method) Measuring range pH: 0.0 to 14.0 pH mV: -1999 to 1999 mV Accuracy pH: ±0.05 pHmV: ±10 mV Resolution pH: 0.01 pH mV: 1 mV Temperaturecompensation: Manual, 0 to 100°C Calibration points: 2 Compatible calibration solutions: USA (pH 4.01/7.00/ 10.01) Display: LCD Power supply: DC 9 V/400 mA power adapter origion: USA/ EUROPE/ Japan	No		2	-
15	Supply and delivery of Mcintosh and fields anaerobic jar Dimensions: Approximately 8 × 5 inches (20 × 12.5 cm) or 23 cm high × 13 cm diameter. origion: Imported or Equivalent	No		2	-
16	Supply and delivery of CO2 gas cylinder origion: Imported or Equivalent Capacity: 40kg	No		1	-
17	Supply and delivery of Incubator (ambient type) Chamber volume 50 L Number of shelves 2 Inner chamber size (W xL x H) 310 x 310 x 310 mm Temperature range RT +10 °C to 100 °C Cycle mode Forced convection Temperature resolutionratio 0.1 °C Temperature motion ± 1 °C Temperature uniformity ± 2.5 % Inner chamber Mirror stainless steel Outer shell Cold rolled steel electrostatic sprayed Insulation layer Silicate heat preservation Heater Stainless steel heater Exhaust hole ⌀ 28 mm top (with test hole function) Display mode LED Timer 0 ~ 9999 min (time wait function) Operational function Fixed temperature operation , timing function ,	No		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	autostop Sensor Pt100 Load per rack 15 kg Shelf space 35 mm origion: USA/ EUROPE/ Japan				
18	Supply and delivery of CO2 Incubator (complete) Capacity 160 L Temperature range RT+5 °C to 50 °C CO2 range 0 % to 20 % Time 0 min to 999 min Temperature uniformity ± 0.5 °C CO2 precision ± 0.1 °C Power 680 W Power Supply :220 V, 60 Hz/50 Hz Working dimensions 500 x 500 x 650 mm origion:USA/ EUROPE/ Japan or Equivalent	No		1	-
19	Supply and delivery of Water bath Interior dimension 600 x 300 x 120 mm Capacity 15 L Temperature range RT+5 °C to 100 °C Temperature tolerance ± 1 °C Temperature homogeneity ± 1 °C Power 1000 W Voltage 220 V/50 Hz origion:USA/ EUROPE/ Japan	No		2	-
20	Supply and delivery of Refrigerator (double door) 18 cubic ft. Temperature Range: Maintains a strict internal temperature between +0°C and +8°C to prevent vaccine spoilage.Cooling System: Utilizes cycle or forced-air fan circulation to ensure uniform temperature distribution across all shelves.Temperature Monitoring: Includes a NIST-calibrated Digital Data Logger (DDL) that records continuous minimum and maximum temperatures. origion: Imported or Equivalent	No		2	-
21	Supply and delivery of Ordinary refrigerator 12 cubic ft. Cooling method Direct Cool Gross capacity Ltr 306 Ref Capacity Ltr. 183 Freezer Capacity Ltr. 93 Net Capacity 276 Net Weight (Kg) 56 Gross Weight (Kg) 61	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Dimension(H*W*D) 1515*595*605 Voltage Range 125V-260V/50Hz Climate T Refrigerant R 600a Compressor Regular Freezer shelf Wire/2 Freezer Door pocket 2 REF Shelf Wire/3 REF 1.5L big door pocket GPPS/1 REF small door pocket GPPS/2 Ice tray 2 LED Light Yes origion: Imported or Equivalent				
22	Supply and delivery of Dual-Wavelength Handheld UV Diagnostic Lamp (365nm UVA / 254 nm UVC), high-intensity optical filter system, high-impact ABS housing, dual AC/rechargeable battery operation, complete with UV-400 protective eyewear and CE certification for veterinary laboratory use." Quality Assurance & Inspection Requirements Intensity & Wavelength Testing: Delivered units must include factory calibration certificates confirming spectral peak output (365 / 254 nm and micro-watt intensity levels. Workmanship & Safety: Housing must show zero light leaks outside the designated filter window; switches and battery connections must be splash-resistant.Accessories Included: Complete unit, 1 set of UV safety goggles, detachable AC power adapter cable, spare UV tube set, and protective storage case. Origin: Imported or Equivalent	No		1	-
23	Supply and delivery of Laminar flow cabinet (one biohazard and one vertical type) Work surface height 750 mm Air flow velocity 0.2 to 0.5 m/s, Adjustable HEPA filter efficiency > 99.995% @ particle size of 0.3 µm Pre-filter Washable polyester fiber × 1 pc Illumination lamp LED type fluorescent lamp, Intensity ≥900 lux UV lamp 253.7 nm emission Controller Microprocessor	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Display LCD display External material Electro-galvanized steel with anti-microbial Powder Coating Work zone 304 stainless steel Sash Manual sliding sash Windows Side tampered glass windows Noise ≤62dB(A) Power supply AC 220 ± 10%, 50/60 Hz Power 285 W origion: USA/ EUROPE/ Japan				
24	Supply and delivery of Colony counter Counting Range : 0~999 Diameter of the Counting Plate : φ115mm Magnification : 5 x ---------- 10x Consumption Rating of Lamp : 16W origion: Imported or Equivalent	No		2	-
25	Supply and delivery of ELISA test Reader Wavelength Range 400 nm to 800 nmReading Range 0.000 to 4.000 AResolution 0.001 AAccuracy ± 0.008 AReproducibility ± 0.2%Stability ± 0.003 AReading Speed Single wavelength: Double wavelength: < 5 sDisplay 10.4-inch color LED touch screen, resolution 1024 ×600Standard Filters 405 nm, 450 nm, 492 nm, 630 nm, and 4 optionalfiltersMicroplate Types 96/48 well plateLight Source 8W/50W controlled tungsten halogen lampPhotodetector Silicon photodiodeShaking Linear shaking with 3 speedsPrinter Built-in thermal printerMemory Stores up to 20 million test data and 500 test projectsInterface Connections DVI, VGA, USB, Network Interface, Audio Interface, RS-232Power Supply 100 - 240 V, 50 - 60 Hzorigion: USA/ EUROPE/ Japan	No		2	-
26	Supply and delivery of Surgical instrument kit (Imported Or Equivalent) included Scalpel Handle (#3 or #4)Spec: Reusable stainless steel; #3 fits blades #10–#15 (fine work), #4 fits blades #20–#25 (large animal/heavy tissue) origion: Imported or Equivalent	Kit/Box		5	-
27	Supply and delivery of Centrifuge (Lab. Scale)	No		2	

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Maximum Speed (4000 to 15,000) rpm Maximum RCF 21,630 × g Maximum Capacity 12 × 5 ml Speed Accuracy ± 20 rpm Timer Range 1 min to 99 min 59 sec Noise Level ≤ 58 dB(A) Power Consumption 500 W origion: USA/EUROPE/Japan				-
28	Supply and delivery of Refrigerated centrifuge with all accessories. Max. Speed: 6000rmp/min Max. RCF: 4390×g Max. Capacity: 4×750mL Temperature Setting: -20℃-40℃ origion: USA/EUROPE/Japan	No		1	-
29	Supply and delivery of Postmortem tables (trays) for small animals Material: 1.5mm to 2mm thick Grade 304 stainless steel for high corrosion resistance against biological fluids and disinfectants Dimensions: Typically compact sizes ranging around 1500mm x 750mm x 900mm (L x D x H) or smaller surface trays (approx. 36" x 24" to 48" x 30"). Worksurface: Features removable, perforated grid plates or recessed slabs with sloped edges for efficient fluid runoff. origion: Imported or Equivalent	No		2	-
30	Supply and delivery of a set consisting of Following items. Glassware Complete Kit included , cotton wool 50 Pcs syringe 10 CC 20 Boxes Media sugars 50 Pcs, etc. Origion: Imported or Equivalent	Kit		2	-
31	Supply and delivery of Egg incubator Scope: can be hatched chickens, ducks and other poultry and quail. Parrots, pigeons and other birds Tray Size: 14X16 INCH Number of Eggs: 60 PCS Dc Brshless fan 12v 2A Adapter 100W Bulb High quality thermostat W1209	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Ac 220v Directly Rated Voltage: 110V power sources Frequency: 50-60HZ origion: Imported or Equivalent				
32	Supply and delivery of Egg Candlers (2 ordinary +3 U.V type) White Light: 5500K (3W LED) Yellow Light: 4500K (3W LED) UV-A Light: 365nm (3W LED) Dimensions: 140mm (L) × 24mm (W) Charging: USB – 6 hours for full charge Run Time: Up to 4 hours per charge origion: Imported or Equivalent	No		2	-
33	Supply and delivery of Balance (table top) Capacity 220 g Readability 0.0001g Linearity error ±0.0003 g Calibration type External Calibration weight 100 g Preheating time 30 min Stable time ≤ 5 sec Working temperature 15 to 25°C Scale pan Φ 80 mm Power supply AC 220/110 V, 50/60 Hz origion: USA/EUROPE/Japan	No		2	-
34	Supply and delivery of Balance analytical) Weighing capacity 5000 gMinimum weighing 0.01 gPan size 160 mmOperationaltemperature 5 °C - 25 °CCalibration system Internally calibrated weightInterface RS232 RS232, RS485Display LCDPower 220 V origion: USA/EUROPE/Japan	No		2	-
35	Supply and delivery of Magnetic stirrer with hot plate Stirring capacity 50 ml~ 15 L Top ceramic dimension 280 mm × 280 mm Power 750 W Temperature 400 °C Stirring range 0 rpm ~ 2000 rpm Stirring speed accuracy ± 1 rpm Temperature accuracy ± 1 °C Voltage 160 V ~ 240 V,	No		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Motor power 40 W, DC 20 V origion: USA/EUROPE/Japan				
36	Supply and delivery of Camera close contact with stand and all accessories Camera Head & Sensor: 1/2.8" Full HD CMOS Sensor providing 1920 × 1080p resolution. Features a built-in optical coupler with adjustable manual zoom (F15–25mm) Control Buttons: Integrated 2 to 3 programmable buttons on the lightweight camera handle for immediate 1-touch white balance, photo capture, video recording, and screen freezing Waterproof Rating: Fully submersible IPX8 / IP58 waterproof design Integrated Light Source: High-intensity 50W to 80W LED cold light source origion: Imported or Equivalent	No		1	-
37	Supply and delivery and Installation of Spectrophotometer (UV) with all accessories, etc. Optical system Double beam Wavelength range 190 nm ~ 1100 nm Spectral bandwidth 0.5 nm, 1 nm, 2 nm, 5 nm Stray light ≤ 0.04 T at 360 nm; 220 nm Wavelength accuracy ± 0.3 nm Wavelengthrepeatability ≤ 0.2 nm Photometric accuracy ± 0.002 A (0 Abs ~ 0.5 Abs)± 0.004 A (0.5 Abs ~ 1.0 Abs) ± 0.3% T (0% T ~ 100% T) Photometric repeatability Abs (0 Abs ~ 0.5 Abs)Abs (0.5 Abs ~ 1.0 Abs)≤ 0.2% T (0% T ~ 100% T) Stability ± 0.0003 A/h at 500 nm Baseline flatness ± 0.0005 A Noise ± 0.0002 Abs Display 7 inch TFT LCD Light source Deuterium lamp, Tungsten lamp Input Membrane keypad Output USB print and data output Power AC 220 V ±10% ; 60 Hz origion: USA/ EUROPE/ Japan	No		1	-
38	Supply, delivery and Installation of Computers (latest version) multimedia Form Factor: All-in-One (AiO) Medical PCs (fixed/surgery rooms) or Rugged Medical-Grade Tablets (mobile charting) Processor (CPU): Intel Core i5 / AMD Ryzen 5 (Latest Gen) Memory (RAM): 8 GB minimum, Storage: 256 GB origion: Imported or Equivalent	No		2	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
39	Supply, delivery and Installtion of Printer (Laser) with extra toner Functions: Print, Copy, Scan, Fax.Speed: Up to 42–48 pages per minute (ppm), ensuring quick printouts between patient appointments.Document Feeder (ADF): 50-sheet dual-scan auto document feeder to digitize multi-page physical pet medical charts quickly.Paper Support: Supports standard media up to 230 gsm. Essential for thick immunization cards, post-op instructions, or durable prescription cardstock. origion: Imported or Equivalent	No		2	-
40	Supply, delivery and Installtion of Color Printers with extra toner Key Veterinary Specs:Functions: Print, Copy, Scan, Fax.Print Speed: Up to 33 ppm (Pages Per Minute) in both black and color.Scan Speed: Dual-pass duplex scanning at up to 104 ipm (Images Per Minute)—perfect for scanning massive multi-page clinical histories quickly.Paper Tray Capacity: 250-sheet standard tray (expandable up to 1,300 sheets for high-volume practices).Security: Triple-layer security with NFC card reader integration (safeguards client and patient data) Canon Japan origion: Imported or Equivalent	No		1	-
41	Supply, delivery and Installtion of Ultraviolet light tube set Wavelength: 253.7 nm – 254 nmTube Power: 8W (compact T5 fixtures) up to 30W per tube (multi-tube mobile trolleys)Voltage/Frequency: 220V ±10%, 50Hz (standard clinical supply) origion: Imported or Equivalent	No		6	-
42	Supply and delivery of Flask/tube shaker each set Speed Range: 30 rpm to 500 rpm (variable digital control) Motion Type: Orbital (typically 4 mm to 19 mm orbit diameter) or wrist-actionCapacity: Interchangeable Platforms for microplates, multiple test tubes (e.g., 1.5 mL to 50 mL)(Provding Set of mentioned volume), and Erlenmeyer flasks (25 mL to 3 L)	No		3	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Origion: Imported or Equivalent.				
43	Supply and delivery of Fermenters with all accessories, etc. Working Volume: 1 to 10 liters (ideal for research, process optimization, and small-batch veterinary vaccine or antigen production) Vessel Material: Borosilicate glass (autoclavable) or optional single-use/stainless steel configurations with sanitary inner finishes (Ra ≤ 0.4 µ m). Temperature Control: Range from 5°C to 65°C (± 0.1°C accuracy), managed via electric heating blankets, water jackets, or Peltier elements. origion: Imported or Equivalent			2	-
44	Supply, delivery and Installtion of Multimedia system (data show, etc.) 3LCD Projector; Full HD 1080p (1920 × 1080 resolution); 4,000 Lumens brightness; 16,000:1 contrast ratio; dual HDMI inputs; built-in Wi-Fi; up to 12,000 hours lamp life. origion: Imported or Equivalent	No		2	-
45	Supply and delivery of High-Precision Micro Dispenser Set (1-Channel, 8-Channel, and 12-Channel variants, 9mm spacing for 96-well plates), spring-loaded tip cones, 360^\circ rotating manifold, fully autoclavable, ISO 8655 compliant, complete with multichannel benchtop stand, calibration tools, starter tip racks, and ISO 17025 test certificates."Quality Assurance & Inspection Requirements Channel Uniformity Test: 8-channel and 12-channel units must undergo channel-to-channel volume verification tests. Variation across all individual channels must not exceed \pm 1.5\% at nominal volume.Workmanship & Ergonomics: Tip ejection mechanism must drop all loaded tips simultaneously without excessive finger pressure or tip binding. Packaging: Packed in shock-absorbing custom foam lining inside rigid protective boxes containing individual batch inspection certificates. Origin: Impoted Or Equivalent	No		15	-
46	Supply and Delivery of Tripod stand for Bunsen Burner origion: Imported or Equivalent	No		15	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
47	Supply and deilvery of Wire Gauze for Tripod stand origion: Imported or Equivalent	No		50	-
48	Supply amd delivery of Peristaltic pump 3 way Number of Channels3 Channels (supporting up to 3 individual tube lines simultaneously) Flow Rate Range0.005 mL/min to 100 mL/min per channel (adjustable) Speed Range0.1 to 350 rpm (with 0.01 rpm resolution) Infusion Accuracy±1% to ±3% origion: Imported or Equivalent	No		2	-
49	Supply and delivery of Air pump (small) Aquaria type Up to 7 L/min total (3.5 L/min per twin outlet, adjustable)Power Consumption: 3 Watts (energy-efficient continuous operation)Voltage/Frequency: 220–240V, 50Hz (standard local utility compatible)Operation: Quiet electromagnetic diaphragm mechanism origion: Imported or Equivalent	No		5	-
50	Supply and delivery of Filter (ultra cascade hollow fiber assembly) Material: Typically Modified Polyethersulfone (m-PES) or Polysulfone (PS) for bioprocessing and medical/therapeutic apps. PVDF is used for higher turbidity/robust cleaning demands. Biocompatibility: Low protein-binding properties to minimize shearing and maximize product recovery (critical for delicate veterinary vaccines or protein concentrations) origion: Imported or Equivalent	No		2	-
51	Supply, delivery and installtion of Microwave oven (for staining and destining, electrophoreses gels) Power: 700 watt - Capacity: 20 Litre - 5 micro power levels - Defrost function - Easy open glass door - Large glass turntable origion: Imported or Equivalent	No		2	-
52	Supply, installation, and commissioning of Professional 4K/FHD Clinical Video Camera System for Veterinary Education (20x/30x	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Optical Zoom, CMOS sensor, HDMI/SDI/USB/IP-PoE outputs), complete with heavy-duty articulated boom arm, wireless instructor lapel microphone, IR/IP remote controller, capture software, and CE/FCC compliance." Quality Assurance & Inspection Requirements (BOQ Clause) Live Operational Testing: Installed system must be tested on-site by recording and live-streaming a mock clinical procedure to a remote monitor/projector screen to demonstrate auto-focus speed, resolution clarity under bright light, and audio sync. Workmanship: Mounting hardware must be rigidly secured to eliminate camera vibration during movement or room activity. Documentation & Training: Supplied with user operation manuals, warranty certificates (minimum 12 months), and on-site operational training for laboratory staff.				
	students) origion: Imported or Equivalent				
53	Supply and delivery of Dissicators Operating Modes: Cut, Blend, Coagulation, Fulguration, and Bipolar. 210mm plain glass origion: Imported or Equivalent	No		3	-
54	Supply, delivery and Installation of BIO-RAD T100 or Equivelent Thermal Cycler (PCR Machine) Sample capacity:96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plateMaximum ramp rate, 4°C/secAverage ramp rate, 2.5 °C/secTemperature range 4–100°CTemperature accuracy ±0.5°C of programmed targetTemperature uniformity ±0.5°C well-to-well within 30 sec of arrival at target temperatureInput power:220–240 VAC, 50–60 Hz; 700 W maximumDisplay 5.7" VGA color touch screenPort 1 USB A Memory 500 typical programs; unlimited with USB flash drive expansion Origion: USA/EUROPE/Japan	No		1	-
55	Supply and delivery of Petri dishes packets all sizes. origion: Imported or Equivalent	Packet		200	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
56	Supply and delivery of set of including Micropipette justers/Micropipettors 2.5 µL, 10 µL, 50 µL, 200 µL, 1000 µL each origion: Imported or Equivalent				-
(i)	2.5 µL	No		2	-
(ii)	, 10 µL	No		2	-
(iii)	50 µL	No		2	-
(iv)	200 µL	No		2	-
(v)	1000 µL	No		2	-
57	Supply and delivery of set of Multichannel pipettors 8 & 12 faces, 300 µL origion: USA/EUROPE/JAPAN or Equivalent	Set		2	-
			Sub Total of 2: (b)		**-**
3: Department/Section of Poultry Husbandry/Science					
S.No	**Name of equipment**	**Unit**	**Rate**	**Qty**	**Total Amount**
1	Supply and delivery of 528 Eggs Fully Automatic Incubator (ANH Hatchriesalent Combined Incubators – A Series or Equivalent • Plastic Waterproof Body • XM18SD Controller • Inner Triple Insulation • Tilt Trays: +45° to -45° • Imported Egg Trays • Hatcher Baskets • Ultrasonic Humidifier • Steam Humidifier as Backup • Backup Analog Controller • Front Double-Glazed Glass Door • Aluminium Door Frame • SS Steel Body Frame • Branded Wheels • Fan-Forced Air Circulation • 1 Tool Kit • Airtight Lock USA/EUROPE/JAPAN or Equivalent	No		2	-
2	Supply and delivery of 88 Eggs Fully Automatic Incubator(ANH Hatchries) A Series or Equivalent– Combined Incubato Imported USA/EUROPE/JAPAN or Equivalent	No		2	-
3	Supply and delivery of Ultra sonic humidifier (ANH Hatchries) Ultra sonic humidification unit USA/EUROPE/JAPAN or Equivalent	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
4	Supply and delivery of Egg grader machine (ANH Hatchries) Microcontroller Based • ANH Official Software – Bentum 2.0 • Display Screen Imported or Equivalent	No		2	-
5	Supply and delivery of Shell thickness measuring equipment (Hauge Unit), micrometer/Vernier Caliper/screw Gauge) Insize (Digital Model: 1108-150) Range 0–150mm, LCD digital screen, 0.01mm resolution, stainless steel, compliant with DIN862 standards Imported or Equivalent	No		1	-
6	Supply and delivery of Spray pump (large) (Dada Product) 20-Liter Battery-Operated Knapsack Sprayers: Imported or Equivalent	No		1	-
7	Supply and delivery of Chicken Anatomy Model (8 Parts) by Nasco Healthcare Imported or Equivalent	No		1	-
8	Supply and delivery of Chicken Hen Anatomy Model, 6 Parts - Life Size Cross Section - Hand Painted - Designed by Veterinary Professionals Imported or Equivalent	No		1	-
9	Supply and delivery of Model of Hen to explain Skeletal system 4D Vision Chicken Skeleton Removable Bones Parts Anatomy Medical Model Animal Puzzle Toys Veterinary Teaching Imported or Equivalent	No		1	-
10	Supply and delivery of Drinker (Manual)(ANH Hatchries) Manual water drinker 5ft Imported or Equivalent	No		2	-
11	Supply and delivery of Drinker(Auto)(ANH Hatchries) Automatic drinker line 5ft Imported Or Equivalent	No		2	-
12	Supply and delivery of Feeder (Auto)(ANH Hatchries) Automatic Feeder line 5ft Imported or Equivalent	No		2	-
13	Supply and delivery of Plate feederer(ANH Hatchries) standered size feeder accessory Imported or Equivalent	No		2	-
14	Supply and delivery of Digital Temperature(ANH Hatchries) Digital Thermostate Imported or Equivalent	No		2	-
15	Supply and delivery of Dogital weighing Bal	No		1	

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	(up to 5 kg) Mega shop pk or equivalent Imported or Equivalent				-
16	Supply and delivery of Egg trays (ANH Hatchries) Plastic egg trays of standard size. Imported or Equivalent	No		12	-
17	Supply and delivery of pH, TDS, EC, Temp meter 4 in-1 Advanced Multifunction Test Pen Imported or Equivalent	No		2	-
18	Supply and delivery of Bird shifting boxes of large/standard sizes (ANH Hatchries) wooden Imported or Equivalent	No		2	-
19	Supply and delivery of Egg candler (ANH Hatchries) Steel Imported or Equivalent	No		2	-
20	Supply and delivery of Disection box (Suture kit pk or Equivalent) Advanced Student Kits (20 to 22-Piece Imported or Equivalent	No		2	-
21	Supply and delivery of Postmortem table (Frame Size 74in x 30in x 36in (L x W x H) in Stainless Steel 5in W/Wheel Brakes-Swivel Lock 1.5. Open Autopsy Table system Imported or Equivalent	No		1	-
22	Supply and delivery of electric brooder (1000 chicks) Supreme Equipments Imported or Equivalent	No		1	-
				Sub Total 03	**-**
4: Department/Section of Livestock Management					
S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
1	Supply and delivery of Platform weighing balance Scale Type: Commercial Heavy-Duty Floor Platform Scale Maximum Weight Capacity: 500kg Readout Accuracy (Graduation): 200g Measurement Units: Kilograms (kg), Grams (g) Display Type: Bright LED with Backlit feature Platform Material & Build: Heavy-duty Metal body with Non-Slip Platform surface Item Net Weight: 32 kg iScale ISP-500M-	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Electronic Platform Weighing Scale				
2	Supply and delivery of livestock farm Weighing Bridge Manufacturer Weighing Method: Dynamic Weighbridge (designed for live, moving animals) Maximum Capacity: 1 Tonne to 1,000 kg) Division / Precision: 100 g Overall Dimensions: 1800*500*1250mm (length*width*height) Main Material: Q235 Mild Steel with Channel-Section Steel frame construction Junction Box: Stainless Steel Junction Box Design Feature: Load cell mounted above the scale to protect electronics from animal waste, moisture, and mud. Indicator: Stainless Steel LED T31-S Waterproof Model Sensor Type: Digital Scale / Load Cell Imported or Equivalent	No		2	-
3	Supply and delivery of Ammonia Sensor (Gas Detector) Bosean Portable NH3 Gas Detector; Range: 0–100 ppm; resolution: 0.1 ppm; electrochemical sensor cell; sound, optical, and vibration alarms; IP65 water/dust-proof rating. Or Equivalent			1	-
4	Supply and delivery of Refrigerator Full size Smart Inverter Cooling system: Direct CoolingGross Capacity Ltr: 538REF Capacity Ltr: 356Freezer Capacity: 152Net Capacity: 508Net Weight: 82Gross Weight: 89Standard Height: 1,775 mm (approx. 70 inches)Standard Width: 760 mm (approx. 30 inches)Standard Depth: 630 mm (approx. 25 inches)Type: InverterVoltage: 105V~260VCli mate class: TRefrigerant: R-600aFreezer Shelf: Glass/3Freezer Door Pocket: 2Freezer Light: YesREF Shelf: Glass/3REF LED: YesCrispers Cover: GlassA.SPE Sterilization: YesMagic Cooling: YesOne touch saving: YesREF Big Door Pocket: GPPS/1REF Small Door Pocket: GPPS/4Egg	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	Tray: PE（8*2）Series: Digital Inverter or Equivalent				
5	Supply and delivery of Multimedia projector Epson EB-FH52 or Equivalent Full HD 3LCD Projector 3LCD Projector; Full HD 1080p (1920 × 1080 resolution); 4,000 Lumens brightness; 16,000:1 contrast ratio; dual HDMI inputs; built-in Wi-Fi; up to 12,000 hours lamp life.	No		1	-
6	Providing and supplying , Heavy-Duty Stainless Steel Laboratory Stool, fabricated from SS-303/304 stainless steel or equivalent approved quality, having 350 mm seat diameter and adjustable overall height from 450 mm up to 600 mm, complete with sturdy frame, smooth corrosion-resistant finish, non-slip feet and all necessary fittings, suitable for laboratory use; Origin: Imported or Equivalent.	No		50	-
				Sub Total of 4	**-**
5. OTHER MISCELLANEOUS ITEMS					
S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
1	Providing, supplying, installing, testing and commissioning of a latest-model Multiparameter Digital Soil Testing Machine, portable/bench-top type, based on digital colorimetric/spectrophotometric and electrochemical testing methods, capable of determining soil pH, electrical conductivity (EC), salinity/TDS, available nitrogen (N), phosphorus (P), potassium/potash (K), organic matter/organic carbon, sulphur (S), calcium (Ca), magnesium (Mg), iron (Fe), zinc (Zn), manganese (Mn), copper (Cu) and boron (B) through appropriate soil extraction and reagent-based testing procedures. The machine shall be equipped with digital display, automatic/manual calibration, data storage, USB/computer connectivity and AC/rechargeable-battery operation. Complete	No		1	-

S.No	Name of equipment	Unit	Unit Price	Qty	Total Amount
	with pH and EC electrodes, soil extraction and sample-preparation kit, digital weighing balance, glassware, test tubes/cuvettes, micropipettes, filter papers, required cables, carrying case, certified calibration standards and reagent kits sufficient for a minimum of 100 tests for major parameters. The quoted price shall include delivery, installation, calibration, demonstration, user training, operation/service manuals and a minimum one-year comprehensive warranty with after-sales technical support. Origin: Imported or equivalent approved quality.The quoted price shall include delivery, installation, calibration, demonstration, user training, operation/service manuals and a minimum one-year comprehensive warranty with after-sales technical support. Origin: Imported or equivalent approved quality.				
				Sub Total 0f 5	-
				Grand Total (1+2+3+4+5)	**-**
				Amount in Million	**-**

Director Works

Contractor

BL-1

Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.

Contract No._____Dated_____ Contract Value: _____

Contract Title: **SUPPLY OF LABORATORY EQUIPMENT AT SBBUVAS LARKANA CAMPUS AT NAUDERO**

M/s_____hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/ Contractor/ Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of anycommission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

…….…… ……

Director Work **(Contractor)**

1. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called "the Bidder") has submitted its bid dated *[date of submission of bid]* for the supply of *[name and/or description of the goods]* (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called "the Bank"), are bound unto *[name of Procuring agency]* (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this_____ day of_____20_.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:

    (a) fails or refuses to execute the Contract Form, if required; or
    (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

_____

[signature of the bank]

3. Contract Form

THIS AGREEMENT made the _____ day of _____ 20_____ between *[name of Procuring Agency]* of *[country of Procuring agency]* (hereinafter called "the Procuring agency") of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
(a) the Bid Form and the Price Schedule submitted by the Bidder;
(b) the Schedule of Requirements;
(c) the Technical Specifications;
(d) the General Conditions of Contract;
(e) the Special Conditions of Contract; and
(f) the Procuring agency's Notification of Award.

3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract

4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by_____the_____(for the Procuring agency)

Signed, sealed, delivered by_____the_____(for the Supplier)

4. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 20_____ to supply *[description of goods and services]* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the_____ day of_____20_____.

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

5. Bank Guarantee for Advance Payment-NA

To: *[name of Procuring agency]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called "the Supplier") shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

6. Manufacturer's Authorization Form

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

To: *[name of the Procuring agency]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of *[name and/or description of the goods]* having factories 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 IFB 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 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.