

**DEMOCRATIC SOCIALIST REPUBLIC OF
SRI LANKA**



UVA WELLASSA UNIVERSITY

**“SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY
EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND
EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY”**

UWU/G/NCB/C/25/02

NATIONAL COMPETITIVE BIDDING

Bid Opening On	18 th September 2025 at 2.30 p.m.
Bid Validity up to	77 days from 18 th September 2025

Uva Wellassa University,
Passara Road,
Badulla,
Sri Lanka.

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INVITATION FOR BIDS
“SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR
FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA
UNIVERSITY
UWU/G/NCB/C/25/02

The Chairman, Department Procurement Committee, on behalf of the Uva Wellassa University, hereby invites sealed bids from eligible and qualified bidders for the **“SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY”**. The procurement will be conducted through the National Competitive Bidding (NCB) procedure.

1. Bidders should have at least three (03) years of experience in the relevant field in Sri Lanka.
2. Interested eligible bidders may obtain further information from the Deputy Bursar (Supplies), Uva Wellassa University, Passara Road, Badulla, (Tel.: 055-2226475, Fax No: 055-2226633), and inspect the bidding documents at the Supplies Division of the University between 9.00 a.m. and 3.00 p.m. from **01st September 2025 to 17th September 2025, and up to 12.30 p.m. on 18th September 2025.**
3. A complete set of bidding documents in English may be purchased by interested bidders upon submission of a written application to the Deputy Bursar (Supplies), Uva Wellassa University, Passara Road, Badulla, and upon payment of a non-refundable fee of LKR 7,000.00 in cash at the Shroff Counter of the University. The bidder can also download the bidding documents from the University website: www.uwu.ac.lk. Those who are obtaining bidding documents from the University website must submit the complete documents together with a **Bank Draft** drawn in favour of the **“Vice Chancellor, Uva Wellassa University”** for LKR 7,000.00 as the non-refundable fee. Alternatively, payment may be made to any branch of Bank of Ceylon, to **Uva Wellassa University, Account No: 3114820**, with the original receipt/deposit slip attached to the bidding documents. The documents may be purchased until **12.30 p.m. on 18th September 2025.**
4. Bids must be delivered to the **Chairman, Department Procurement Committee, Uva Wellassa University, Passara Road, Badulla**, on or before **2.00 p.m. on 18th September 2025.** Please indicate the **“SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY - UWU/G/NCB/C/25/02”** on the top left-hand corner of the envelope.
5. All bids must be accompanied by a **Bid Security** addressed to the **Chairman, Department Procurement Committee, Uva Wellassa University, Passara Road, Badulla**, valid for 120 days from the date of bid opening. The Value of the Bid Security shall be **LKR 390,000.00.**
6. A Pre-Bid meeting will be held at **10.00 a.m. on 09th September 2025** at the Board Room of Uva Wellassa University.
7. The completed bids shall be deposited in the ‘Tender Box’ available at the Registrar’s Office of the University, or sent by Registered Post to the address given in Clause No.5, ensuring receipt before the deadline.
8. Late bids will be rejected. Bids will be opened immediately after the closing of bids, in the presence of the bidders or their authorized representatives who choose to attend the bid opening, at the Board Room of the Uva Wellassa University.

Chairman
Department Procurement Committee
Uva Wellassa University
Passara Road, Badulla, Sri Lanka
Tel/ Fax No: 055-2226475, 055-2226633

Section I. Instructions to Bidders (ITB)

This Bidding Document is based on the Standard Bidding Document for National Competitive Bidding (NPA/Goods/SBD 01). Section I will not be provided with this bidding document. Bidders are instructed to refer to Section I of the Standard Bidding Document (NPA/Goods/SBD 01) available on the **National Procurement Agency (NPA)** website: www.npa.gov.lk

Section II. Bidding Data Sheet (BDS)

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

[Instructions for completing the Bid Data Sheet are provided, as necessary, in the corresponding ITB Clauses.]

Clause Reference	A. General
ITB 1.1	The Purchaser is: Uva Wellassa University
ITB 1.1	The name and identification number of the Contract are: “SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY
ITB 2.1	The source of funding is: GOSL
ITB 4.4	Foreign bidders are allowed to participate in bidding: Not allowed
	B. Contents of Bidding Documents
ITB 7.1	For clarification of bid purposes only, the Purchaser’s address is: Attention: Deputy Bursar/ Supplies & Stores Address: Uva Wellassa University, Passara Road, Badulla. Telephone: 055-2226475 E-mail: supply@uwu.ac.lk
	C. Preparation of Bids
ITB 11.1 (e)	The Bidder shall submit the following additional documents: A complete company profile of the bidder, including but not limited to the following: • Business Registration Certificate • VAT Registration Certificate • List of clients who use the products and their contact details • Past three (03) years of relevant experience in the industry in Sri Lanka (The bidder should have at least three years of experience in the industry in Sri Lanka and should submit documents to prove this experience) • Manufacturer’s Authorization. • Certificate of Registration under Public Contract Act. • Financial Statements
ITB 15.1	The bidder shall quote the local expenditure in Sri Lankan Rupees.
ITB 18.1 (b)	After-sales service is: Required

ITB 19.1	The bid shall be valid for: 77 days from 18th September 2025.	
ITB 20.1	Bid shall include a Bid Security in any of the following ways: (a) A bank guarantee issued by a reputed bank operating in Sri Lanka. (b) A cash deposit at the Shroff Counter of the University (c) A cash deposit from any branch of the Bank of Ceylon, to Uva Wellassa University, Account No: 3114820, with the cash receipt/deposit slip attached to the bidding documents.	
ITB 20.2	The amount of the Bid Security is Rupees 390,000.00. Beneficiary: Vice Chancellor, Uva Wellassa University. The validity period of the bid security shall be 120 days from the closing date of the bid.	
	D. Submission and Opening of Bids	
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks: “SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY- UWU/G/NCB/C/25/02	
ITB 23.1	For bid submission purposes, the Purchaser’s address is:	
	Attention Address	: Deputy Bursar/Stores & Supplies : Uva Wellassa University, Passara Road, Badulla.
	The deadline for the submission of bids is	
	Date Time	: 18th September 2025 : 2.00 p.m.
ITB 26.1	The bid opening shall take place at:	
	Address	: Board Room, Uva Wellassa University, Passara Road, Badulla.
	Date	: 18th September 2025
	Time	: 2.30 p.m.
	E. Evaluation and Comparison of Bids	
ITB 34.1	Domestic preference shall not be a bid evaluation factor.	
ITB 35.3(d)	The adjustments shall be determined using the following criteria, among those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: Option 2 -Please refer to CC 26.1 (b) Deviation in payment schedule: Not applicable (c) The cost of major replacement components, mandatory spare parts, and service: Applicable	
ITB 35.4	The following factors and methodology will be used for evaluation: A certificate from a Chartered Electrical Engineer should be produced after the installation.	
ITB 35.5	Bidders shall be allowed to quote for one or more lots. [refer to Section III, Evaluation and Qualification Criteria]. The Purchaser will evaluate the bid on an item-by-item basis.	

Section III. Evaluation and Qualification Criteria

1. Evaluation Criteria (ITB 35.3 (d))

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14, one or more of the following factors as specified in ITB Sub-Clause 35.3(d) and in BDS referring to ITB 35.3(d), using the following criteria and methodologies.

(a) Delivery schedule

Option 2

The goods covered under this invitation are required to be delivered within an acceptable range of weeks specified in the Schedule of Requirements. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as non-responsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added, for evaluation purposes only, to the bid price of bids offering deliveries later than the earliest delivery period specified in the Section V, Schedule of Requirements.

(b) Deviation in payment schedule. **Not applicable**

(c) Cost of major replacement components, mandatory spare parts, and service:

The required spare parts for the goods covered under this invitation shall be available for at least five years of period and after sales service (both free and paid services).

(d) Specific additional criteria: **None**

2. Evaluation Criteria (ITB 35.4):

- (a) A bid may be submitted by any reputed supplier of **Laboratory Equipment**, registered business in Sri Lanka, or any accredited local agent who takes fullest responsibility for the entire bid. The local agent shall submit documentary evidence of their status, obligations, power of attorney, and any other supporting documents confirming that they are duly authorized and eligible to bid on behalf of the manufacturer.
- (b) Bidders shall have a minimum of three years' prior experience in the relevant industry, in the supply and also technical and financial capability necessary to perform the contract.
- (c) A draft service agreement for three-year period (after the warranty period) shall be submitted with the bid.
- (d) Bids will be rejected non-responsive if the required documentary evidence in support of the above criteria is not provided.
- (e) If an Agent submits bids on behalf of more than one supplier, unless each such bid is accompanied by a separate Bid Form for each bid, and a bid security when required for each bid, and authorization from the respective Manufacturer, and valid vendor certificate, all

such bids will be rejected as non- responsive.

- (f) Bidders should possess the Certificate of Business Registration issued by a Governmental Authority/ Registrar of Companies/ Provincial Registrar of Business in the relevant category.
- (g) Bidders shall register the Contract under Public Contract Act and submit the certificate of registration (ITB 11.1(e)).
- (h) Bidders offering goods under their own brand names should provide along with their bids a current certification/s of quality; Bid not complying with this requirement may be treated as non - responsive.
- (i) Having a service center in Badulla or Uva Province will be considered as an added qualification.

3. Multiple Contracts (ITB 35.5)

The Purchaser shall award multiple contracts to the Bidder that offers the lowest evaluated combination of bids (one contract per bid) and meets the post-qualification criteria (this Section III, Sub-Section ITB 37.2 Post-Qualification Requirements)

The Purchaser shall:

- (a) Evaluate only lots or contracts that include items per lot and quantity per item
- (b) Take into account: The lowest-evaluated bid for each lot

4. Post qualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

- (a) Financial Capability: The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): [list the requirement(s)]
- (b) Experience and Technical Capacity: The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): [list the requirement(s)]
- (c) The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: [list the requirement(s)]

Section IV. Bidding Forms

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Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]

No.: [insert number of bidding process]

To: Chairman,
Department Procurement Committee
Uva Wellassa University
Passara Road
Badulla

We, the undersigned, declare that:

- a. We have examined and have no reservations to the Bidding Documents, including Addenda No.: [insert the number and issuing date of each Addenda];
- b. We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services [* insert a brief description of the Goods and Related Services];
- c. The total price of our Bid without VAT, including any discounts offered is: [insert the total bid price in words and figures];
- d. The total price of our Bid including VAT, and any discounts offered is: [insert the total bid price in words and figures];
- e. Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- f. If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- g. We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- h. Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- i. We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- j. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: [insert signature of person whose name and capacity are shown]

In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____ [insert date of signing]

Price Schedule

- Note: 1. Unless otherwise allowed under ITB Clause 15, the bidders are required to quote the prices under 'A' columns;
 2. Bidders may quote prices under 'B' columns only if the ITB Clause 15 provides provisions to bid in foreign currencies for the line item
 3. Purchaser is advised to fill columns 1,2 and 3 before issuing the bidding document and delete this note3;

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
Item	Description of Goods or related services	Quantity	Unit price (inclusive of duties, sales, and other taxes) excluding VAT	Price per line item (Col.3×4)	Transportation, insurance, and other related services to deliver the goods to their final destination	Total price excluding VAT (Col 5+6)	Discounted total price (if any) excluding VAT	VAT	Total Price Including VAT (Col. 7 or 8+9)
1	Kjeldahl Unit	1							
2	Top Loading Balance	1							
3	Chest Freezer with Curved Glass Top	1							
4	Chest Freezer – (200 L)	2							
5	Chest Freezer (350–400 L)	1							
6	Electric Fryer (Dual Tank)	1							
7	Laboratory Fume Hood Workstation with Ducting System	1							
8	Cell Counting Unit	1							
9	Compound Microscope with Camera Head	1							
10	Stereo Microscope with Camera Head	1							
11	Mini Centrifuge	2							
12	Portable pH Meter	2							
13	Laboratory Refrigerator with bottom Freezer	3							
14	Orbital Shaker	1							

15	Lux Meter	1							
16	Culture Racks	3							
17	Forced Convection Drying Oven	1							
18	Kjeldhal Digestion Unit & Distillation Unit	1							
19	Soil Hydrometer (ASTM 152H)	1							
20	Gel Electrophoresis Unit	1							
21	Insect Rearing Cabinet	1							
22	Bench Top pH Meter (Type 1)	1							
23	Bench Top pH Meter (Type 2)	1							
24	Distilled Water Plant	1							
25	Gas Cooker	1							
26	Blender	1							
27	Refrigerated Centrifuge	1							
28	Bench Top Homogenizer	1							
29	Automatic Laboratory Water Distiller (Single Distillation Unit)	2							
30	Stainless Steel Milk Containers (5L)	2							
31	Stainless Steel Milk Containers (10L)	2							

Bid Security (Guarantee)

(this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets)
.....insert issuing agency's name, and address of issuing branch or office.....

Beneficiary: Vice Chancellor, Uva Wellassa University, Passara road, Badulla

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No.: ----- *[insert (by issuing agency) number]*

We have been informed that.....-.....-.....-
[name of the Bidder] (herein after called "the Bidder") has submitted to you its bid dated -----
[date] (herein after called "the Bid") for the execution of -----
----- *[insert name of Contract]* under Contract No. -----

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- *[insert name of issuing agency]*
here by irrevocably undertake to pay you any sum or sums not exceeding in total an amount of -----
----- *[insert amount in figures]* - -----
----- *[insert amount in words]* upon receipt by us of your first demand in
writing accompanied by a written statement stating that the bidder is in breach of its obligation(s) under
the bid conditions, because the bidder:

- (a) Has withdrawn its bid during the period of bid validity specified; or
- (b) Does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) Having been notified of the acceptance of its bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to ----- *(insert date)*

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

.....
[Signature of authorized representative(s)]

Bid Securing Declaration

*[The **Bidder** shall fill in this form in accordance with the instructions indicated in brackets]*

Date: ----- *[insert date by bidder]*

Name of contract: “SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE, UVA WELLASSA UNIVERSITY

Contract Identification No: - UWU/G/NCB/C/25/02

To: Chairman, Procurement Committee, Uva Wellassa University

We, the undersigned, declare that:

1. We understand that, according to instructions to bidders (hereinafter “the ITB”), bids must be supported by a bid-securing declaration;
2. We accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years* starting on *the latest date set for closing of bids of this bid*, if we:
 - (a) withdraw our Bid during the period of bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
3. We understand this bid securing shall expire if we are not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful; or (ii) twenty-eight days after the expiration of our bid.
4. We understand that if we are a JV, the Bid Securing Declaration must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed *[insert signature(s) of authorized representative]* In the Capacity of *[insert title]*

Name *[insert printed or typed name]*

Duly authorized to sign the bid for and on behalf of *[insert authorizing entity]*

Dated on *[insert day]* day of *[insert month]*, *[insert year]*

Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: [insert date (as day, month and year) of Bid Submission]

No.: [insert number of bidding process]

To: [insert complete name of Purchaser]

WHEREAS

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____ [insert date of signing]

Section V. Schedule of Requirements

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1. List of Goods and Delivery Schedule

Item No	Description of Goods	Quantity	Final (Project Site) Destination as specified in BDS	Delivery Date ¹		
				Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
1	Kjeldahl Unit	1				
2	Top Loading Balance	1				
3	Chest Freezer with Curved Glass Top	1				
4	Chest Freezer – (200L)	2				
5	Chest Freezer (350–400 L)	1				
6	Electric Fryer (Dual Tank)	1				
7	Laboratory Fume Hood Workstation with Ducting System	1				
8	Cell Counting Unit	1				
9	Compound Microscope with Camera Head	1				
10	Stereo Microscope with Camera Head	1				
11	Mini Centrifuge	2				
12	Portable pH Meter	2				
13	Laboratory Refrigerator with bottom Freezer	3				
14	Orbital Shaker	1				
15	Lux Meter	1				
16	Culture Racks	3				
17	Forced Convection Drying Oven	1				

18	Kjeldhal Digestion Unit & Distillation Unit	1				
19	Soil Hydrometer (ASTM 152H)	1				
20	Gel Electrophoresis Unit	1				
21	Insect Rearing Cabinet	1				
22	Bench Top pH Meter (Type 1)	1				
23	Bench Top pH Meter (Type 2)	1				
24	Distilled Water Plant	1				
25	Gas Cooker	1				
26	Blender	1				
27	Refrigerated Centrifuge	1				
28	Bench Top Homogenizer	1				
29	Automatic Laboratory Water Distiller (Single Distillation Unit)	2				
30	Stainless Steel Milk Containers (5L)	2				
31	Stainless Steel Milk Containers (10L)	2				

2. List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic and consistent with the required Goods Delivery Dates]

Service	Description of Service	Quantity ¹	Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>

1. If applicable

Technical Specifications

[The Technical specifications may be provided in the following format. The bidder shall fill the columns 6 and 7. Bidder's failure to provide the information requested in the columns 6 and 7 may be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder in the columns 6 and 7 and the other technical information attached to the bid, the information provided herein shall take precedence.]

No	Name of the Item	Specification	Qty	Bidder's Compliance	
				Yes/ No	If "No", Bidder's Response
1	Kjeldahl Unit	Kjeldahl Unit (Semi-Automatic Kjeldahl Distillation Unit and Macro Kjeldahl Digestion Block) <u>Semi-Automatic Kjeldahl Distillation Unit</u> • Construction: Durable, chemical-resistant technopolymer/ Powder coated casing • Power supply: Approx. 220V/50Hz • Equipped with: ✓ Integrated steam generator ✓ Safety features (over-temperature & over-pressure protection) ✓ Distillation head with condensers • Operation: Semi-Automatic with programmable distillation time • Measuring Range: Approx. 0.1 – 200 mg Nitrogen • Nitrogen Recovery: $\geq 99.5\%$ • Distillation Speed: Approx. 35–40 mL/min • Typical Distillation Time: Approx. 7–10 min • Steam Generator Reservoir: Approx. 6 L • NaOH Reservoir: Approx. 2 L • Boric Acid Reservoir: Approx. 2 L • Supplied Accessories for the unit: ✓ One Macro tube ($\varnothing \sim 42$ mm) ✓ One set of connection tubes ✓ One set of reservoirs (one reservoir each for NaOH, Boric acid, and water)	1		

		• Compatibility: Suitable for use with Kjeldahl Digestion Block (Kjeldahl Grass tubes: Macro Ø ~42 mm, 250mL capacity) • Warranty: Minimum 3 years • Documentation: Product catalog should include brand name, country of origin, and requested product specifications. <u>Macro Kjeldahl Digestion Block</u> • Construction: Rugged stainless steel with acid-resistant coating • Heating: Thermostatically controlled, uniform block heating • Temperature range: Approx. ambient to 450°C • Safety: Over-temperature protection • Power supply: Approx. 220V/50Hz • Approx. Capacity: 6 positions • Heater Block: 1 metal block • Programmer: For time and temperature control • Tube Support Rack: 1 unit • Gas Collector: 1 unit • Compatibility: Must match the distillation unit's tube specifications (Kjeldahl Grass tubes: Macro Ø ~42 mm, 250mL capacity) • Warranty: Minimum 3 years • Documentation: Product catalog should include brand name, country of origin, and requested product specifications. The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
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2	Top Loading Balance	• Weighing Range: 0.01 g – 6,200 g • Weighing Plate Size: Approx. 160–170 × 160–170 mm • Readability: 0.01 g • Temperature Range (Permissible Operating): Approx. 5–35°C • Connectivity: RS232C and USB port (for printer or data output) • Accessories: Optional glass draft shield • Applications: Should be suitable for standard laboratory weighing and general balancing purposes • Warranty: Minimum 3 years • Documentation: Product catalog must be provided showing brand name, country of origin, and confirmation that the product meets the requested specifications The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.	1		

3	Chest Freezer with Curved Glass Top	• Type: Chest freezer with curved glass top and integrated handle • Capacity: Approx. 350–400 L • Shall be equipped with an inverter-type compressor or equivalent technology to ensure energy-efficient and stable operation. • Cooling Method: Direct cooling with four-sided refrigeration • Temperature Control: Mechanical temperature control • Power Supply: 230 V, 50 Hz • Shall use R-600a (Isobutane) refrigerant or an equivalent energy-efficient and environmentally friendly refrigerant compliant with international safety standards • Compressor Warranty: Minimum 5 years • Comprehensive Warranty: Minimum 3 years • Documentation: Product catalog must be provided showing approximate specifications, brand name, country of origin, and confirmation of compliance with requested specifications • Temperature: Approx. –18°C The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.	1														
4	Chest Freezer – (200 L)	<table><tr><td>Type</td><td>Chest type</td></tr><tr><td>Temperature</td><td>Approx. –18°C</td></tr><tr><td>Net Capacity</td><td>Approx. 200 L</td></tr><tr><td>Outer Cabinet material</td><td>Plain PCM</td></tr><tr><td>Condenser tube material</td><td>MS SWST Tube</td></tr><tr><td>Inner cabinet Material</td><td>Emboss PCM</td></tr></table>	Type	Chest type	Temperature	Approx. –18°C	Net Capacity	Approx. 200 L	Outer Cabinet material	Plain PCM	Condenser tube material	MS SWST Tube	Inner cabinet Material	Emboss PCM	2		
Type	Chest type																
Temperature	Approx. –18°C																
Net Capacity	Approx. 200 L																
Outer Cabinet material	Plain PCM																
Condenser tube material	MS SWST Tube																
Inner cabinet Material	Emboss PCM																

		<table><tr><td>Castor</td><td>4 Rollers</td></tr><tr><td>Refrigerant</td><td>R-600a or better</td></tr><tr><td colspan="2">Convertible</td></tr><tr><td>Warranty</td><td>Should have 03 years Manufacturer warranty</td></tr></table> Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	Castor	4 Rollers	Refrigerant	R-600a or better	Convertible		Warranty	Should have 03 years Manufacturer warranty			
Castor	4 Rollers												
Refrigerant	R-600a or better												
Convertible													
Warranty	Should have 03 years Manufacturer warranty												
5	Chest Freezer (350–400L)	- Capacity: Approx. 350–400 L - Temperature: Approx. –18°C - Shall use R-600a (Isobutane) refrigerant or an equivalent energy-efficient and environmentally friendly refrigerant compliant with international safety standards. - Shall be equipped with an inverter-type compressor or equivalent technology to ensure energy-efficient and stable operation. - Voltage: 220–230 V, 50 Hz - Number of Doors: 2 - Lock & Key: Should be available - Handles: External handles or equivalent - Cooling: Multi-surface/five-surface cooling - Inner Cabinet Material: Embossed PCM or equivalent - Outer Cabinet Material: PCM or equivalent - Castors: 6 universal castors - Hinge Type: Balance hinge or equivalent - Condenser Tube Material: Mild steel (MS) or stainless steel tube - Power-on Indicator: Green light - Should include following features ✓ Door Open Indicator Light ✓ Fast Freeze Control Knob	1										

		✓ Condenser Fan ✓ Convertible Function ✓ Cabinet Partition • Compressor Warranty: Minimum 5 years • Comprehensive Warranty: Minimum 3 years • Installation and calibration • Documentation: Product catalog must be provided showing approximate specifications, brand name, country of origin, and confirmation that the product meets the requested specifications. The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
6	Electric Fryer (Dual Tank)	• Configuration: Two oil tanks with lids • Accessories: Two rugged stainless-steel wire baskets with handles • Material of the body and tanks: Corrosion-resistant stainless steel (Grade 316 or equivalent) • Thickness : Outer housing: 0.7–1.0 mm (or equivalent gauge) ; Inner tanks:0.9–1.2 mm (or equivalent gauge) • Controls & Features: Thermostat, temperature controller, micro switch, and power switch • Oil Capacity: Approx. 5–8 L per tank • Operating Temperature Range: Approx. 50–200 °C (thermostatically controlled) • Voltage: 220 V / 50 Hz • Power: Approx. 3 kW + 3 kW • Warranty: Minimum 12 months for the heating element	1		

		Documentation: Product catalog must be provided, including approximate specifications, brand name, country of origin, and confirmation of compliance with the requested specifications The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
7	Laboratory Fume Hood Workstation with Ducting System	- Interior Material, Exterior Material, Side Plates, Frame and Blower Material: Polypropylene (PP). - Work Surface: Approx. 18 mm thick tabletop. Made up of acid and heat resistant material. Specify the material. - Overall Dimensions: ✓ Width : Approx. 1,200 mm ✓ Height : Approx. 800 mm ✓ Work Surface Width : Approx. 750 mm - Front Window: 5 mm tempered glass sash, smooth movement, can stay in any position - Base Cabinet: Double-door base cabinet in 2 groups with adjustable shelves, PP or equivalent with acid and heat resistance. - Ducting System with following features should be provided: ✓ From ground floor to rooftop of approx. four-story building (~80 ft) ✓ Exhaust fans mounted on roof with duct under negative pressure ✓ Airflow: Approx. ≥ 250 CFM, reduced noise - Power Supply: 230 V, 50 Hz	1		

		• Warranty: Minimum 3 years for complete setup • Accessories & Spare Parts: Guarantee of availability for at least 10 years after purchase • Additional Accessories: PP cup sink, LED lighting, high-quality copper water and gas valves with epoxy powder coating and corrosion resistance surface, and 230 V power outlets (square plug base) are preferred. • Documentation Requirement: Product catalog must be provided showing approximate specifications, brand name, country of origin, and confirmation of compliance with requested specifications. The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.				
8	Cell Counting Unit	Measurement time	< 10 sec. (Faster preferable)		1	
		Camera	5 MP CMOS			
			Mammalian cells	Organoids		
		Cell diameter range, μm	4 to 70 μm	20 μm to 200 μm		
		Counting range mm × mm	5 × 10 ⁴ to 1.0 × 10 ⁷ cells/mL			
		Compatibility	Reusable and disposable counting chambers: 0.1 mm	Reusable and disposable counting chambers: 0.1 or 0.2 mm		
		Sample volume	10 μL	10 μL or 20 μL chamber permitting		
		Field of view	1.5 × 1.5 mm	1.5 × 1.5 mm		

		Magnification	200×	100×			
		Image resolution	2048 × 1536	1536 × 1536			
		Data export	Via USB flash drive				
		Exported format	PNG				
		Operating environment	5°C to 40°C, 20% to 95% humidity				
		Connectivity	The device should be able to connect to a computer with a software application				
		Included with the instrument	- Counting software				
			-Trypan blue 50–100 mL				
		Image of cells available	Online image processing.				
		resolution	The ability to accurately count as small as 4 µm.				
		Documents	Above mentioned specifications should be mentioned in the original manufacturer literature				
		Installation, Demonstration, and Training	On-site installation, demonstration and training should be done by a technical personnel from the local supplier company				
		Manufacturer Authorization	Original manufacturer The authorization letter should be provided				
		Warranty	02-years manufacturer warranty				

		Accessories and Spare Parts Availability	Guarantee of the availability of all accessories and spare parts for a minimum of 5 years after purchase of equipment			
		Product experience	The bidder should have minimum of 08 years' experience in selling the quoted similar products in Sri Lanka (attach proof)			
		Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site.				
		If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.				
9	Compound Microscope with Camera Head	Observation method	Bright-field, Simple polarized and Dark-field (Optional)	1		
		Optical system	Infinity Optical System (IOS)			
		Head	Trinocular, 30° inclined, 360° rotating			
		Interpupillary distance	48–75 mm			
		Dioptric adjustment	At least one tube			
		Eyepieces	10×/20 mm, Higher eye point with fixing screws			
		Nose piece	Quadruple			
		Objective type	Infinity-corrected Plan Achromat			
		Parfocal distance	45 mm			
		Standard objectives	4×/0.10, W.D. 16.8 mm 10×/0.25, W.D. 5.8 mm 40×/0.65, W.D. 0.43 mm 100×/1.25 (Oil), W.D. 0.13 mm			

		Focusing System Fine resolution Fine total travel (per single rotation) Fine graduations Coarse total travel (mm) Stage Dimensions Stage XY Moving range (mm) Vernier scale accuracy (mm) Condenser Type Condenser Numerical aperture (N.A.) Transmitted Illumination Light source power (W) Camera Camera Head Resolution Camera Connectivity Camera Software Frame Rate Stage Holder Illumination Control	Coaxial coarse and fine focus 4 μm or lesser 0.4 mm or better 100 18 150 $\times$ 139 75 $\times$ 33 0.1 Single-position, Centrable Abbe Condenser, focusable by rack and pinion 1.25 Köhler illumination, Long-life LED light source (>65,000 hours) Approx. 3.6 Should be from the same brand Min 8 MP CMOS sensor USB 3.0 / HDMI Compatible with Windows/Mac/Linux, supports image capture, measurement, annotation, and video recording ≥ 30 fps at full resolution Double slide holder with spring clip Adjustable intensity, color temperature $\sim 4500\text{--}5000$ K			
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		Anti-fungal Protection Polarization Accessories Dark-field Accessories Accessories Supplied Compliance Power Supply Warranty User reference list A manufacturer Authorization Letter should be provided Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	On optical components (eyepieces, objectives, prisms, tube lens, etc.), treated with anti-fungal coating suitable for use in humid/tropical environments. Polarizer and analyzer (optional) Dark-field condenser or slider (optional) Immersion oil, dust cover, power cord, spare fuse/LED driver (optional) CE and ISO certified; meets electrical safety standards 230V/50Hz Should have 10-years Manufacturer Warranty More than 5 years			
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10	Stereo Microscope with Camera Head	Observation method and Optical system Head Interpupillary distance (mm) Dioptric adjustment Eyepieces Objective type Zoom type Standard Magnifications Working distance Zoom ratio Focusing System Stage Illumination (Transmitted light) Intensity (Lux) Illumination (Incident light) Intensity (Lux) Max. required power (W)	Brightfield, Greenough Trinocular, 45° inclinations 360° rotating 50–76 mm ±5 On both eye tubes 10x, Field of View ≥ 22 mm anti-fungal treated Achromatic with anti-fungal treatment Parfocal achromatic At least 6.5x – 45x with click stops ≥ 100 mm $\geq 6.5:1$ Coarse and fine White and black diffusion plate, diameter ≥ 95mm, with specimen clips ≥ 60 LEDs ≥ 7500 Lux LED light with double gooseneck arms $\geq 150,000$ ≥ 10 W	1		
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		Filters	At least green and blue filters – Ø ≥ 55 mm			
		USB Camera resolution at least (MP)	6 MP or higher			
		Camera resolution (n° of pixels: W x H)	≥3000 × 2000			
		Color / Monochrome	Color			
		Sensor Size	1/1.8” or larger			
		Sensor Technology	CMOS			
		Frame rate full resolution (fps)	≥ 25 fps at resolution ≥ 3000 × 2000			
		Exposure time	0.1 msec - ≥ 10 sec			
		IR filter range (nm)	380-650 (IR – cut filter or equivalent)			
		Camera accessories	Must include at least calibration slide and a USB cable (minimum 1.8 m preferred)			
		Camera Software	Image analyzing software Should be supplied free of charge from the same manufacturer			
		Power Supply	230V/50Hz			
		Warranty	Should have 10-years Manufacturer Warranty			
		User reference list	More than 5 years			
		A manufacturer Authorization Letter should be provided				

		Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.			
11	Mini Centrifuge	The system should be capable of accommodating 12 × 1.5 mL tubes The system should have a maximum speed of 14,000 rpm Rotor should have a maximum speed of 14,000 rpm Rotor could be autoclaved (121°C for 20 min) System should possess a separate short spin key for brief spin Rotor and lid should be chemically resistant System should have an air flow which minimizes sample heating during the run System should have an optional rotor for PCR tube strips with aluminum rotor lid System should have very minimal acceleration and deceleration times System should have noise levels <52 dB for quiet operation in workplace Instrument should be European CE Certified A manufacturer Authorization Letter should be provided Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. Warranty : Should have Two-years Manufacture warranty	2		

		The meter should have a 1- 3 point calibration facility for pH The meter should have a self-diagnosis facility that ensures pH calibration will be performed correctly and guides you on how to fix common problems IP class - IP 57 or better ideal for use in harsh environments. The large backlit LCD displays The meter should be compatible to be used in the field and laboratory with a foldable stand The meter should be supplied with Standard Solutions (pH 4,7, and 10) 50ml, manual, Batteries, screwdriver, field carrying case Product certificates - CE / RoHS Quality Certificates - ISO9001:2015 preferred A manufacturer Authorization Letter should be provided Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. Should have a one-year manufacturer's warranty If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.			
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13	Laboratory Refrigerator with Freezer	Type Refrigerator Capacity (L) Compressor Control unit Freezer Capacity (L) Temperature Locking Mechanism Refrigerant Warranty Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	Laboratory Type Bottom Freezer Refrigerator 350–360 L Inverter Compressor Digital Temperature Control 150–200 L Refrigerator: 2–8°C Freezer: -20°C or less Should be able to lock the freezer Anti-bacterial Bacterial Treatment System R-600a or better Should have 03-years Manufacturer warranty	3		
14	Orbital Shaker	Type Shaking features Display Motion Type Accuracy Speed Range	Bench-top platform shaker Advance dual shaking features On-touch control Orbital or reciprocal motion selectable [Operating both motion types] ±1 rpm (at 100 rpm) 10~300 rpm	1		

		Shaking throw () Timer Maximum load Power Platform (W×D) Flask capacity Display and control Manufacturer authorization Warranty Accessories and Spare Parts Availability Product experience Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	20, 30, 40 mm Available Standard 30 mm 1 min to 99 hrs 59 min 7 kg 100 W 350 mm × 350 mm Should be up to maximum 6 L TFT Digital Display Original manufacturer The authorization letter should be provided Should have 2-years Manufacturer warranty Guarantee of the availability of all accessories and spare parts for a minimum of 5 years after purchase of equipment The bidder should have minimum of 08 years' experience in selling the quoted similar products in Sri Lanka (attach proof)			
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15	Lux meter	Ranges Resolution Accuracy Overload indicator Operating temperature Light sensor Silicon photo diode LCD display Power Manufacturer Authorization Warranty Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	40, 400, 4000, 40,000, 400,000 lux 1 lux / 0.01 Fc ±3% rdg + 0.5% FS OL = Overload Rate 0 - 40°C Display 5-digit 6 AAA Batteries Original manufacturer The authorization letter should be provided One-year Manufacture warranty	1		
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16	Culture Racks	Height Width Length Lights for each Rack Made out of 1" X 1" heavy duty steel with epoxy powder coating 15 inches in-between shelves 5-mm tempered glass shelf with proper support 5-inch caster wheel (heavy duty with lock) Four shelves with LED lighting not less than 3000 lux on the selves. 4 LED light per shelves Gang switch to control the light of each self separately Manufacturer Authorization : Original manufacturer; The authorization letter should be provided Warranty: Five-years Manufacturer warranty Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	77 Inches 24 Inches 47.5 Inches 16 Led T8 Tube Bulbs	3		
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17	Forced Convection Drying Oven	Capacity Temperature range Temperature accuracy Temperature control accuracy Interior Exterior Adjustable Shelves Should have a see-through window to observe sample when oven is at operation Should have PID temperature controller for better accuracy with industrial grade heaters (preferred) Should have a safety function for over temperature and electric overload Should have function of automatically heater and blower cutoff when the door is opened Warranty Manufacturer Authorization Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	90 L–100 L 50°C – 250°C ±2.0°C at 100°C minimum ±0.5 minimum Fully Stainless Steel (304) Powder coated steel or better 25 mm steps One- year Manufacture warranty Original manufacturer The authorization letter should be provided	1		
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18	Kjeldhal Digestion Unit & Distillation Unit	Application Number of samples Display temperature range Temperature accuracy Timer range Selectable programs temperature control & heating modes Main body constructed Material Power consumption Power supply System should be completed with four Items Distillation system Constructed Material Display Reproducibility (RSD) The detection limit(N) Power supply	Determination of nitrogen and protein 12 Nos x 300 mL LCD or LED [23°C-35°C]- Above 420°C at least ± 1 °C 1 min to minimum of 950 min should have at least 10 programs with up to 5 segments each PID temperature control with linear and curve Epoxy-painted stainless steel for higher chemical resistivity should be less than 4000 W 230 V/50 Hz 1.Support System 2.Water jet vacuum pump 3.Simpler neutralization 4.Drip tray design Semi-automatic distillation system with automatic addition of sodium hydroxide and water corrosion-resistant technopolymer material or Suitable material 3" or above wide color touch screen (letters should be clearly visible) should be $\leq 5\%$ should be at least 0.1 mg – 240mg 230 V - 50 I 60 Hz	1		
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	Should be steam flow control Lever operation of tube insertion and removal It should consist of a maintenance-free, chemically resistant steam generator with a glass condenser for unmatched performance. The recovery $\geq$ 99.5 % at nitrogen levels between 1 and 200 mg N Fast distillation (less than 10 minutes to collect 100 mL of distillate) <table><tr><td>Installation, Demonstration, and Training</td><td>On-site installation, demonstration and training should be done by a technical personnel from the local supplier company</td></tr><tr><td>Manufacturer Authorization</td><td>Original manufacturer The authorization letter should be provided</td></tr><tr><td>Warranty</td><td>2 - years manufacturer warranty</td></tr><tr><td>Accessories and Spare Parts Availability</td><td>Guarantee of the availability of all accessories and spare parts for a minimum of 10 years after purchase of equipment</td></tr><tr><td>Product experience</td><td>The bidder should have minimum of 08 years' experience in selling the quoted similar products in Sri Lanka (attach proof)</td></tr></table> Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	Installation, Demonstration, and Training	On-site installation, demonstration and training should be done by a technical personnel from the local supplier company	Manufacturer Authorization	Original manufacturer The authorization letter should be provided	Warranty	2 - years manufacturer warranty	Accessories and Spare Parts Availability	Guarantee of the availability of all accessories and spare parts for a minimum of 10 years after purchase of equipment	Product experience	The bidder should have minimum of 08 years' experience in selling the quoted similar products in Sri Lanka (attach proof)			
Installation, Demonstration, and Training	On-site installation, demonstration and training should be done by a technical personnel from the local supplier company													
Manufacturer Authorization	Original manufacturer The authorization letter should be provided													
Warranty	2 - years manufacturer warranty													
Accessories and Spare Parts Availability	Guarantee of the availability of all accessories and spare parts for a minimum of 10 years after purchase of equipment													
Product experience	The bidder should have minimum of 08 years' experience in selling the quoted similar products in Sri Lanka (attach proof)													

19	Soil Hydrometer (ASTM 152H)	Range Accuracy Calibration Temperature Material and Construction Dimensions: approximately Ballast Scale units Warranty Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	0.995 to 1.038 g/cm³ (or 995 to 1038 kg/m³) ±0.001 g/mL, with divisions of 0.001 g/mL 27°C (If calibrated at 20°C, Temperature correction chart is needed) Clear, durable glass (typically borosilicate glass); Resistant to standard dispersing agents (e.g., sodium hexametaphosphate) and corrosion Length: Approx. 280 – 300 mm Bulb diameter: ~25 – 35 mm, depending on design. Stem diameter: ~6 – 10 mm. A ballast (like steel shot) is preferred to help them float correctly and maintain stability. Graduated scale with fine increments (typically 1 unit or 0.0005 SG). Readings usually marked in g/cm³ or kg/m³ one - years manufacturer warranty	1		
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20	Gel Electrophoresis Unit	Should be a complete system with <u>Electrophoresis tank & lid</u> • 100×70 mm UV tray • 100×100 mm UV tray • 16 sample combs, 1 mm thick (2 combs) • UV tray dams, 2pcs • Black & red electrophoresis cable	1		
		<u>Unit Dimensions</u> <u>Active Gel Size (w x l) / Corresponding Gel Tray</u> Sample Capacity Tank Buffer Volume Construction Type Electrode Electrical Safety Output Voltage / Inc Output Current / Inc	Approximately: 220×125×90 mm Two tray options should be available: 100×70mm & 100×100mm Maximum 100 samples or more 300 ml - 350 ml with Buffer saving options Injection molded construction Durable, leak-proof environment for complete safety and long life Cassette Type Electrode Made of 99.99% corrosion-resistant pure platinum The lid can only be fastened in one way, and upon its removal, power should be disconnected from the buffer chamber. Step1:10 - 300V / 1V Step2: 10 - 300V / 1V Step1:10 - 400mA / 1mA Step2: 10 - 400mA / 1mA		

		Max. Watt	60–80W			
		Output Type	Constant voltage or constant current			
		Control	Microprocessor controller			
		Terminal Pairs	2 pairs			
		Timer	999 (min) with alarm/ Continuous (set=0)			
		Operation Temperature	4°C-40°C			
		Dimension	Approx. 5.5"×7.5"×3.3" (Approx. 140 × 191 × 84 mm)			
		Material	Polycarbonate housing and aluminum base plates			
		Rated Voltage	100 - 240 V, ~50-60Hz, 2A			
		Program	2-STEP Program			
			STEP1(V: 300V); STEP2(V: 300V)			
			STEP1(A: 16mA); STEP2(A: 24mA)			
		Presetting value	STEP1(T: 15min); STEP2(T: 120min) If time is set 0, system will keep running until user manually stops. If voltage or current is set 0 in step 2, system will not proceed to step 2			
		Warranty	Two-years manufacturer warranty			
		Manufacturer Authorization	Original manufacturer authorization letter should be provided			
		Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site.				

		If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.				
21	Insect Rearing Cabinet	Temperature range Temperature resolution Temp. Uniformity Temperature fluctuation Illuminance Volume Total growth area Growth height Display type Adjustable lighting Control system	0 ~ 70°C ± 0.1°C at 25°C : ±1.5°C at 25°C : ±0.5°C 0~40,000 Lux 800L–1,000L Approx. 1. 4–1.6 m² Approx. 40–50 cm 4.5 – 5 inch LCD touch screen Full spectrum LED light, each layer of lighting panel can be individually adjusted Intelligent environmental control system capable of automatically monitoring and compensating for changes in temperature, humidity, and light intensity to maintain stable rearing conditions. The system must be programmable and provide real-time adjustments.	1		
		light source Support for viewing Door system Castor wheels Supports storage of 100000 records and USB data export	adjustable height partition type light source alarm records, data, and curves Double door Should be available Should be available			

		Multi-level password management Number of layer illumination shelves Product features The humidity control range Humidity fluctuation Power Installation, demonstration and training Manufacturer authorization Warranty Accessories and spare parts availability Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site. If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.	Should be available Minimum 2, expandable up to 4 positions Water storage tank & atomized humidification 50 ~ 95% RH ±3~7% 3500–3700 W On-site installation, demonstration and training should be done by a technical personnel from local supplier company Original manufacturer authorization letter should be provided 2-years manufacturer warranty Guarantee of availability of all accessories and spare parts for a minimum of 10 years after purchase of equipment				
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22	Bench Top pH Meter (Type 1)	Measuring Parameters Range [pH & Temp.] Accuracy [pH & Temp.] Resolution [pH & Temp.] Compensation[pH] Standard Accessories Display Data Output Memory function Manufacturer Authorization Warranty Brand name, Product Catalog, Catalog page and Model no should be available. Requested specification should be stated in the Catalog page and product web site	pH, mV, Temperature -2.00~16.00 pH, 0~110 °C ±0.01+1 digit, ±0.2+1 digit 0.01 pH, 0.1 °C ATC: 0~100 °C pH glass electrode, Conductivity cell, DO probe, Temp. Probe, Membrane cap × 2 pcs, Electrolyte × 20 ml, Standard solution, Electrode holder, Software and USB cable, DC/AC adaptor, instruction manual, Carrying box LCD display PC directly via USB recalls up to 150 points Original manufacturer authorization letter should be provided Should have One-year Manufacture warranty	1		
		If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.				

23	Bench Top pH Meter (Type 2)	- Specify Make, Model, Country of Origin and Country of Manufacture - Digital display with fast and stable readings - Measurement parameters: pH, ORP, Temperature - Integrated stirring platform with magnetic stirrer <u>Temperature</u> - Automatic temperature compensation (ATC) - Range: 0 – 110°C - Accuracy: $\pm 0.2^{\circ}\text{C} + 1$ digit - Resolution: 0.1°C <u>ORP (Oxidation Reduction Potential)</u> - Range: –200 to +1999 mV (sub-ranges: 199.9 ~ 499.9 mV, 500 ~ 2000 mV) - Accuracy: ± 2 mV + 1 digit - Resolution: 0.1 / 1 mV - Compensation: Not Applicable <u>pH</u> - Sensor: pH Epoxy body electrode, Double Junction - Additional electrodes: 03 spare pH glass electrodes included <u>Accessories (to be supplied):</u> - Built-in temperature probe - pH buffer solutions: pH 7.00 (100 mL), pH 4.01 (100 mL), pH 10.01 (100 mL) - Electrode cleaning solution - pH electrode clamp and rod 02 magnetic stirring bars - AC/DC adaptor	1		
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		• Instruction manual <u>Warranty & Certification:</u> • Minimum 2 years warranty • Manufacturer's authorization certificate required				
24	Distilled Water Plant	Capacity	4–5 L/hr	1		
		Heater Power	3–5 KW			
		Heater Material	Special Alloy 800 steel or Suitable Alloy			
		Exterior	Abrasion resistance & heat resistant material (Epoxy)			
		Power	220-240 V ; AC 50 Hz			
		Thermostatic cut-off for low water level with indication				
		Degassing of carbon dioxide via condenser vent				
		Easily openable stainless steel evaporating (boiling) chamber for cleaning				
		Warranty	Should have at least 1-year manufacturer warranty			
		Manufacturer Authorization	Original manufacturer authorization letter should be provided			
		Brand name, Product Catalog, Catalog page and Model no should be available.				
		Requested specification should be stated in the Catalog page and product web site				
		If you fail to fulfill the requested specification by the university [equipment supply with wrong specification] the equipment would be rejected after goods delivery to the university.				

25	Gas Cooker	• Number of burners: 2 • Burner material: Cast iron • Body/surface material: Stainless steel • Trivets: Durable enamel-coated • Warranty: Minimum 1 year • Country of manufacture: Specify	1		
26	Blender	• Type: Mixer Grinder / Wet and Dry Grinder for domestic use • Motor power: 550 W • Number of jars: 05 • Blade material: Hardened stainless steel • Control type: Piano-type button switches • Safety features: ◦ Double safety interlocking system ◦ Original oil seal protection ◦ Circuit breaker system • Accessories: Flow breaker jar, juice extractor • Warranty: ◦ Minimum 5 years (motor) ◦ Minimum 1 year (unit) • Country of manufacture: Specify • Documentation: Product catalog must be provided showing approximate specifications, and confirmation that the equipment meets the requirements above	1		
27	Refrigerated Centrifuge	Technical Specifications • Temperature Range: Approx. –20°C to +40°C with efficient cooling systems • Fixed angle rotor • Capacity: 50 mL tubes – 06 and 15 mL – 06 • Minimum Speed: 8,500 rpm • Memory: At least 6 programs with direct access • Profiles (Acceleration/Braking): 9 acceleration / 10 braking levels • Timer: 9 hours 99 minutes plus HOLD function • Motor Type: Direct-drive, brushless induction, low-profile	1		

		- Noise Level: <61 dBA - Power Requirements: 230 V, 60 Hz, 12 A - Safety Protection features: Imbalance detection, automatic rotor identification, and automatic lid opening after a run - Dimensions (L x H x W)- approximately 27 × 22 × 14 inches - Emergency lid release function in case of power failure Certifications & Compliance - IEC 61010-1, IEC 61010-2-202, IEC 61010-2-101 - CSA Certified Biosafety - CE marked - UL listed Warranty & Documentation - Warranty: Minimum 5 years - Product catalog must be provided showing approximate specifications, country of origin, and confirmation that the equipment meets the requirements above The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
28	Bench Top Homogenizer	- Type: Digital table homogenizer (benchtop model) - Includes: Stand - Safety: Overheat protector - Speed Range: Up to 20,000 rpm - Capacity: 100 – 3,000 mL	1		

		• Power: 250 W • Power Supply: 230V, 50/60 Hz • Warranty: Minimum 2 years • Documentation: Product catalog must be provided showing approximate specifications, country of origin, and confirmation that the equipment meets the requirements above The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
29	Automatic Laboratory Water Distiller (Single Distillation Unit)	• Distillation capacity: 4-7 L/h. Continuous automatic operation with adjustable water flow control. • Inner chamber and heating element made of stainless steel or equivalent; housing made of stainless steel with epoxy or equivalent coating. • Compact design with easily removable parts for cleaning. • Water Quality Specifications (Approx.) ✓ Conductivity: Min. 1.6 $\mu\text{S}/\text{cm}$ at 25 °C ✓ Resistivity: 0.5 – 2 $\text{M}\Omega\cdot\text{cm}$ at 25 °C ✓ pH: 5–7 at 25°C • Control panel with general power switch and indicator lights. • Adjustable water feed connection. • Cooling water drain outlet adaptable to containers. • Safety Features: ✓ Automatic cut-off of heating element in case of cooling water failure, with auto-restart when cooling is restored. ✓ Solenoid valve: Cut off water when there is no power.	2		

		✓ Overheating cut-off ✓ Silicone gasket sealing. ✓ Earthed electrical system. • Optional accessory: Flow limiter for optimized water usage. • Power: 230 V, 50/60 Hz • Warranty: Minimum 3 years • Installation and calibration • Documentation: Product catalog must be provided showing approximate specifications, country of origin, and confirmation that the equipment meets the requirements above. The supplier shall be responsible for the complete installation, commissioning, and calibration of the equipment at the site to ensure proper operation in accordance with the required specifications. The supplier shall provide on-site demonstration and training to the designated personnel on the proper operation, routine maintenance, and basic troubleshooting of the equipment.			
30	Stainless Steel Milk Containers (5L)	• Material: Corrosion-resistant stainless steel (Grade 316 or equivalent), smooth and polished interior • Capacities: 5 L • Airtight lids or covers • Smooth interior surface for easy cleaning and hygienic storage • Handles for easy carrying • Documentation: Product catalog must be provided showing approximate specifications, brand name, country of origin, and confirmation of compliance with requested specifications	2		

31	Stainless Steel Milk Containers (10L)	• Material: Corrosion-resistant stainless steel (Grade 316 or equivalent), smooth and polished interior • Capacities: 10 L • Airtight lids or covers • Smooth interior surface for easy cleaning and hygienic storage • Handles for easy carrying • Documentation: Product catalog must be provided showing approximate specifications, brand name, country of origin, and confirmation of compliance with requested specifications	2		
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Section VI. Conditions of Contract (CC)

This Bidding Document is based on the standard bidding document for National Competitive Bidding (NPA/Goods/SBD 01). Section VI will not be provided with this bidding document. Bidders are instructed to refer the Section VI of the standard bidding document (NPA/Goods/SBD 01). The document is available at the website of NPA, www.npa.gov.lk

Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

CC 1.1(i)	The Purchaser is: Uva Wellassa University
CC 1.1 (m)	The Project Site(s)/Final Destination(s) is/are: Uva Wellassa University, Passara Road, Badulla
CC 8.1	For notices, the Purchaser's address shall be: Deputy Bursar Uva Wellassa University, Passara Road, Badulla. 055-2226475/ 055-2226633
CC 11	Goods shall be supplies in compliance with the quality and the specification given.
CC 15.1	CC 15.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: For Goods offered within Sri Lanka Payment shall be made in Sri Lankan Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. a) No Advance payment applicable for this contract b) Up to a maximum of ninety (90) percentage of the Contract Price, shall be paid on receipt of the Goods and confirm by the evaluation committee. c) Ten (10) percentage of the Contract price will be hold as Retention for a period of 12 months from the date of commissioning of equipment d) The Retention shall be paid on completion of Twelve (12) months. During that Period supplier shall correct all defects and confirmed by the purchase or his agent.
CC 17.1	A Performance Security – 10% Performance security may be in any of the following way (a) A Bank guarantee issued by a reputed bank operated in Sri Lanka. (b) Cash deposit at the Shroff Counter of the University
CC 26.1	The liquidated damage (Late Delivery) shall be: If the supplier fails to deliver any or all of the goods by the date(s) specified above the purchaser may deduct from the payment a sum equivalent to 0.05% of the delivered price of the delayed good, for each day of delay.
CC 26.1	The maximum amount of liquidated damages shall be: 10 % from the contract sum.
CC 27.3	The warranty shall remain valid for a period of time specified with the specifications.
CC 27.6	The supplier shall remedy the defects within 3 Months from the date of information by the purchaser.

Section VIII. Contract Forms

Table of Forms

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3. Guarantee for Advance Payment	60

Contract Agreement

THIS CONTRACT AGREEMENT is made

the [insert: number] day of [insert: month], [insert: year].

BETWEEN

(1) [Insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of..... or corporation and having its principal place of business at [insert address of Purchaser] (hereinafter called “the Purchaser”), and

(2) [Insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., [insert 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 [insert Contract Price in words and figures, expressed in the Contract currency (ies)] (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 constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:

- (a) This Contract Agreement
- (b) Contract Data
- (c) Conditions of Contract
- (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
- (e) The Supplier’s Bid and original Price Schedules
- (f) The Purchaser’s Notification of Award
- (g) [Add here any other document(s)]

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

5. The Purchaser 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 the laws of Democratic Socialist Republic of Sri Lanka on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: [insert signature]

in the capacity of [insert title or other appropriate designation]

in the presence of [insert identification of official witness]

For and on behalf of the Supplier

Signed: [insert signature of authorized representative(s) of the Supplier]

in the capacity of [insert title or other appropriate designation]

in the presence of [insert identification of official witness]

Performance Security

[The issuing agency, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated] ----- [Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary: Vice Chancellor, Uva Wellassa University, Passara Road, Badulla

Date:--

Performance Bid Guarantee No.: -----

We have been informed that ----- [Name of Supplier] (hereinafter called "the Supplier") has entered into Contract No. ----- [Reference number of the contract] dated ----- with you, for the ----- Supply of ----- [name of contract and brief description] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required. At the request of the Supplier, we ----- [name of Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of -----

[Amount in figures] (-----) [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein. This guarantee shall expire, no later than the day of, 20.. [Insert date, 28 days beyond the scheduled completion date including the warranty period] and any demand for payment under it must be received by us at this office on or before that date.

[Signature(s)]

Guarantee for Advance Payment

[The issuing agency, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date: [insert date (as day, month, and year) of Bid Submission]

ICB No. and title: [insert number and title of bidding process]

[issuing agency's letterhead]

Beneficiary: Vice Chancellor, Uva Wellassa University, Passara Road, Badulla

ADVANCE PAYMENT GUARANTEE No.: [insert Advance Payment Guarantee no.]

We, [insert legal name and address of issuing agency], have been informed that [insert complete name and address of Supplier] (hereinafter called "the Supplier") has entered into Contract No. [insert number] dated [insert date of Agreement] with you, for the supply of [insert types of Goods to be delivered] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [insert amount(s) in figures and words] upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account [insert number and domicile of the account]

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

[Signature(s) of authorized representative(s) of the issuing agency]

Check List

No	Required Specification	Bidder's Offer			
		Conformity		Page No	Remark
		Yes	No		
1	Company Profile				
2	Business Registration				
3	VAT Registration				
4	List of Clients				
5	Past Three Year Experience in the industry				
6	Manufacturer Authorization				
7	Public Contract Act				
8	Bid Security				
9	Forms of Bids				
10	Price Schedule				
11	Bid Document Fee (Non – Refundable)				
12	Financial Statement				
Status					

“Bidders must fill above Check List”

Duly authorized for signed on behalf of

(Name of the Bidder)

Name :

Signature :

Designation :