

**DEMOCRATIC SOCIALIST REPUBLIC OF  
SRI LANKA**



**UVA WELLASSA UNIVERSITY**

**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF  
LABORATORY EQUIPMENT FOR  
FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE -  
DEPARTMENT OF ANIMAL SCIENCE**

**UWU/G/NCB/17/04**

**BIDDING DOCUMENT**

|                           |   |
|---------------------------|---|
| <b>Bid Opening On</b>     | 17 <sup>th</sup> July 2017 - 2.00 p.m.  |
| <b>Bid Validity up to</b> | 91 days from 17 <sup>th</sup> July 2017 |

Uva Wellassa University  
Passara Road,  
Badulla,  
Sri Lanka.



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# UVA WELLASSA UNIVERSITY INVITATION FOR BIDS



## SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE DEPARTMENT ANIMAL SCIENCE UWU/G/NCB/17/04

The Chairman, Department Procurement Committee, on behalf of the Uva Wellassa University, invites sealed bids from eligible bidders and qualified bidders for **Supply, Delivery, Installation & Commissioning of Laboratory Equipment for Faculty of Animal Science and Export Agriculture. Department of Animal Science**

1. Bidding will be conducted through the National Competitive Bidding (NCB) procedure.
2. Bidder should have at least three years' experience in the relevant field in Sri Lanka.
3. Interested eligible bidders may obtain further information from the Senior Assistant Bursar / Supplies, Uva Wellassa University, Passara Road, Badulla, (Tel. No: 055-2226475, Fax No: 055-22266633), and inspect the bidding documents at the Procurement Division of the University between 9.00 am to 3.30 pm from **27<sup>th</sup> June 2017 to 17<sup>th</sup> July 2017.**
4. A complete set of bidding documents in English may be purchased by interested bidders on submission of a written application to the Senior Assistant Bursar Supplies Uva Wellassa University, Passara Road, Badulla and upon payment of a non-refundable fee of Rupees 4,000/= 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](http://www.uwu.ac.lk). Those who are obtaining bidding documents from the University website should submit the complete documents along with a Bank Draft drawn in favour of the "Vice Chancellor, Uva Wellassa University" for Rs. 4,000/= as non-refundable fee or the payments could be made to any branch of Bank of Ceylon, to the Uva Wellassa University, Account No: 3114820, and the cash receipt/deposit slip to be attached with the bidding documents. The documents may be purchased until **2.00 p.m. 27<sup>th</sup> June 2017 to 17<sup>th</sup> July 2017.**
5. Bids must be delivered to be addressing **Chairman, Department Procurement Committee, Uva Wellassa University, Passara Road, Badulla**, on or before **2.00 p.m. on 17<sup>th</sup> July 2017** Please indicate the "**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE - OF ANIMAL SCIENCE - UWU/G/NCB/17/04**" on the top left hand corner of the envelope.
6. All bids must be accompanied by a Bid Security addressed to the **Chairman, Department Procurement Committee, Uva Wellassa University**, valid for 150 days from the date of the bid opening. The Value of the Bid Security shall be **Rs. 223,000.00**
7. Pre Bid meeting will be held on **10<sup>th</sup> July 2017, 9.00 a.m.** In the Board Room of Uva Wellassa University.
8. The bids shall be deposited in the 'Tender Box' available in the Registrar's Office of the University, or sent under Registered Cover to be received before the deadline to the address given Clause No.5.
9. 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  
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 provide with this bidding document. Bidders are instructed to refer the Section I of the standard bidding document (NPA/Goods/SBD 01). The document is available at the website of NPA, [www.npa.gov.lk](http://www.npa.gov.lk)

## **Section VI.**

### **Conditions of Contract**

This Bidding Document is based on the standard bidding document for National Competitive Bidding (NPA/Goods/SBD 01). Section VI will not be providing 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](http://www.npa.gov.lk)

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# 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:----- [Name and Address of Employer] -----  
-----

Date: -----

PERFORMANCE 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)]



## 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 ITB.

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

|                             |  |
|-----------------------------|--|
| <b>ITB Clause Reference</b> | <b>A. General</b>  |
| <b>ITB 1.1</b>              | The Purchaser is: <b>Uva Wellassa University</b>   |
| <b>ITB 1.1</b>              | The name and identification number of the Contract are:<br><b>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE – DEPARTMENT OF ANIMAL SCIENCE</b><br><b>Contract No: UWU/G/NCB/17/04</b>  |
| <b>ITB 1.2</b>              | The bidder should have at least three years experience in the <b>relevant industry</b> in Sri Lanka and should submit documents to prove experience in the industry.   |
| <b>ITB 2.1</b>              | The source of funding is: <b>GOSL</b>  |
| <b>ITB 4.4</b>              | Foreign bidders are allowed to participate in bidding: <b>Not allowed</b>  |
|                             | <b>B. Contents of Bidding Documents</b>  |
| <b>ITB 7.1</b>              | For Clarification of bid purposes only, the Purchaser's address is:<br>Attention: <b>Senior Assistant Bursar/Supplies</b><br>Address: Uva Wellassa University, Passara Road, Badulla.<br>Telephone: 055-2226475<br>Electronic mail : uwu.p15@gmail.com   |
|                             | <b>C. Preparation of Bids</b>  |
| <b>ITB 11.1 (e)</b>         | The Bidder shall submit the following additional documents:<br><b>A complete company profile of the bidders including, but not limited to, the following:</b> <ul style="list-style-type: none"> <li>• <b>Business Registration Certificate</b></li> <li>• <b>VAT Registration Certificate</b></li> <li>• <b>List of client who use the Products</b></li> <li>• <b>Past 3 years relevant experience in the relevant Industry in Sri Lanka</b></li> <li>• <b>Manufacture Authorization.</b></li> <li>• <b>Certificate of Registration under Public Contract Act.</b></li> </ul> |
| <b>ITB 15.1</b>             | The bidder shall quote the local expenditure in Sri Lankan Rupees.   |
| <b>ITB 18.1 (b)</b>         | After sales service is: required   |
| <b>ITB 19.1</b>             | The bid shall be validity until: <b>91 days from 17<sup>th</sup> July 2017</b>   |
| <b>ITB 20.1</b>             | Bid shall include a Bid Security in any of following way <ul style="list-style-type: none"> <li>(a) A Bank guarantee issued by a reputed bank operated in Sri Lanka.</li> <li>(b) Cash deposit at the Shroff Counter of the University</li> <li>(c) Cash deposit from any branch of Bank of Ceylon, to the Uva Wellassa University, Account No: 3114820, and the <b>cash receipt/deposit slip to be attached with the bidding documents.</b></li> </ul>  |



|                     |  |
|---------------------|--|
|                     |  |
| <b>ITB 20.2</b>     | The amount of the Bid Security shall be: Rs. <b>223,000.00</b><br>Beneficiary: <b>Vice Chancellor, Uva Wellassa University.</b><br>The validity period of the bid security shall be until 150 days from the date of Bid closing  |
|                     | <b>D. Submission and Opening of Bids</b>   |
| <b>ITB 22.2 (c)</b> | The inner and outer envelopes shall bear the following identification marks:<br><b>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF<br/>LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND<br/>EXPORT AGRICULTURE - DEP'T OF EXPORT AGRICULTURE</b><br><b>Contract No: UWU/G/NCB/17/04</b>  |
| <b>ITB 23.1</b>     | For bid submission purposes, the Purchaser's address is:<br><br>Attention: Senior Assistant Bursar<br><br>Address: Uva Wellassa University, Passara Road, Badulla.<br><br>The deadline for the submission of bids is<br><br>Date: <b>17<sup>th</sup> July 2017</b><br>Time: <b>2.00 p.m.</b>   |
| <b>ITB 26.1</b>     | The bid opening shall take place at:<br><br>Address: Board Room,<br>Uva Wellassa University, Passara Road, Badulla.<br><br>Date: <b>17<sup>th</sup> July 2017</b><br>Time: <b>2.00 p.m.</b>  |
|                     | <b>E. Evaluation and Comparison of Bids</b>  |
| <b>ITB 34.1</b>     | Domestic preference shall not be a bid evaluation factor.  |
| <b>ITB 35.3(d)</b>  | The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:<br><br>(a) Deviation in Delivery schedule:<br>Option 2 is selected and the adjustment is 0.5% per week or part thereof<br><br>(b) Deviation in payment schedule: Not applicable<br><br>(c) The cost of major replacement components, mandatory spare parts, and service:<br>Applicable |
| <b>ITB 35.4</b>     | The following factors and methodology will be used for evaluation: Not applicable  |
| <b>ITB 35.5</b>     | Bidders shall be allowed to quote for one or more lots. [refer to Section III Evaluation and Qualification Criteria] Purchaser will evaluate the bid 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 Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation purposes only, to the bid price of bids offering deliveries later than the earliest delivery period specified in the Section V, Schedule of Requirements

##### (a) 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 (Free service & Pay service).

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

#### 2. Evaluation Criteria (ITB 35.4):

Not Applicable

#### 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

#### 3. 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.

**Qualification Criteria:**

- (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 whole bid. The local agent shall submit evidence of status, obligations, power of attorney and any other documentary evidence that he is duly authorized and eligible to bid on behalf of the manufacturer.
- (b) The bidders should also have previous experience of at least three years in relevant industry in the supply and also technical and financial capability necessary to perform the contract.
- (c) Bids will be rejected as non- responsive if documentary evidence in proof of above has not been provided.
- (d) 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.
- (e) Bidders should possess the Certificate of Business Registration issued by a Governmental Authority/ Registrar of Companies/ Provincial Registrar of Business in the relevant category.
- (f) Bidders shall register the Contract under Public Contract Act and submit the certificate of registration (ITB 11.1(e)).
- (g) 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.
- (h) Having a service center in Badulla or Uva Province will be considered as an added qualification.

**4. Domestic Preference (ITB 34.1) – Not applicable**

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**FORM OF BID**  
**UVA WELLASSA UNIVERSITY**  
**UWU/G/NCB/17/04**

To: Chairman  
Procurement Committee  
Uva Wellassa University  
Passara road, Badulla

We, the undersigned, declare that:

Having examined the Instructions to Bidders and Conditions of Tender, Conditions of Contract, Schedule of Requirements, Schedule of Particulars and Bills of Quantities, I / We the undersigned, offer to **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE – DEPARTMENT OF ANIMAL SCIENCE Contract No: UWU/G/NCB/17/04** said Price Schedule amounting to

Rupees.....  
.....and cents.....(Rs .....)

only I / We undertake to **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE - DEPARTMENT OF ANIMAL SCIENCE** within the time stated in the tender documents, if our tender is accepted.

I / We agree to abide by this tender for period of 120 calendar days from the date fixed for receiving of Bids or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Unless and until a formal Agreement is prepared and executed, this Tender, together with your written acceptance thereof, shall constitute a binding Contract between us.

I / We understand that, you are not bound to accept the lowest or any tender, you may receive.

This day of .....20..... in the capacity of..... duly authorized to sign Bids for and on behalf (indicate whether the Freehold Owner or Power of Attorney Holder) of ..... (Blanks to be filled in BLOCK CAPITALS)

Signature.....

Duly authorized for signed on behalf of .....  
(Name of the Bidder)

Address.....

Date.....



**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT  
FOR FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE  
DEPARTMENT OF ANIMAL SCIENCE  
Contract No: UWU/G/NCB/17/04**

| Item No | Description  | Qty | Unit price (Excluding Taxes) | Total Price (Excluding Taxes) | Taxes | Total Price Including Taxes |
|---------|--|-----|------------------------------|-------------------------------|-------|-----------------------------|
| 1       | Electro fisher   |     |                              |                               |       |                             |
| 2       | BOD Incubator  |     |                              |                               |       |                             |
| 3       | Canopies with ducting system                           |     |                              |                               |       |                             |
| 4       | Fume Hood  |     |                              |                               |       |                             |
| 5       | Glassware washer                                       |     |                              |                               |       |                             |
| 6       | Ice flake maker  |     |                              |                               |       |                             |
| 7       | Micro Centrifuge                                       |     |                              |                               |       |                             |
| 8       | Refrigerated centrifuge                                |     |                              |                               |       |                             |
| 9       | Rotary evaporation system with vacuum pump and chiller |     |                              |                               |       |                             |
| 10      | Uv-Visible spectrophotometer                           |     |                              |                               |       |                             |

Total Price with VAT (in Words):.....

Maintenance charges (as a percentage) after the warranty period (If any): .....

Vat Registration No: .....

Signature.....

Duly authorized for signed on behalf of .....  
(Name of the Bidder)

Address.....

.....

Date.....



**FORM OF BID SECURITY**

-----  
-----  
*[insert issuing agency's name, and address of issuing branch or office]*

**Beneficiary:** Vice Chancellor, Uva Wellasa 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]* (hereinafter called "the Bidder") has submitted to you its bid dated -----  
*[date]* (hereinafter 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]*  
hereby 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) ]*



**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

#### 1. List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column “Bidder’s offered Delivery date” to be filled by the Bidder]

| No | Description of Goods            | Qty | Final Destination as specified in BDS | Delivery Date 1             |                             |                                |
|----|---------------------------------|-----|---------------------------------------|-----------------------------|-----------------------------|--------------------------------|
|    |                                 |     |                                       | Earliest Delivery Date      | Latest Delivery Date        | Bidder’s offered Delivery date |
| 1  | As Listed in the Price Schedule |     | Uva Wellassa University               | Within 4 Weeks of the Order | Within 4 Weeks of the Order |                                |

\* Destination of delivery: - Department of Animal Science  
Uva Wellassa University,  
Passara Road,  
Badulla.

#### 2. Technical Specifications

The bidder shall follow the following technical requirement and other requirement

## Technical Specifications

| <b>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT FOR<br/>                     FACULTY OF ANIMAL SCIENCE AND EXPORT AGRICULTURE – DEPARTMENT OF ANIMAL<br/>                     SCIENCE</b><br><b>Contract No: UWU/G/NCB/17/04</b> |                |  |     |                   |
|--|----------------|--|-----|-------------------|
| No   | Item           | Specifications   | Qty | Bidders' Response |
| 1  | Electro fisher | <b>Power</b>   | 1   |                   |
|  |                | Battery powered (24 V rechargeable battery)                      |     |                   |
|  |                | Battery life: at least 40 minutes continuous working             |     |                   |
|  |                | Conductivity Range: 10 - 2000 $\mu\text{S}/\text{cm}^3$          |     |                   |
|  |                | Input Voltage: 24 V DC,  |     |                   |
|  |                | Output Voltage: 50 to 900 V in 5 V steps,                        |     |                   |
|  |                | Output power: 400W continuous, 35,000W peak                      |     |                   |
|  |                | 40 minutes (or higher) battery life at maximum continuous usage  |     |                   |
|  |                | <b>Protection</b>  |     |                   |
|  |                | Overload protection  |     |                   |
|  |                | Tilt switch  |     |                   |
|  |                | Immersion sensors  |     |                   |
|  |                | Electrode out of water warning alarms                            |     |                   |
|  |                | Sealed molded polyethylene and ABS case                          |     |                   |
|  |                | Electrode pole switch  |     |                   |
|  |                | Emergency stop switch  |     |                   |
|  |                | Output Indicator   |     |                   |
|  |                | Quick release adjustable shoulder harness,                       |     |                   |
|  |                | <b>Accessories (Should supply with equipment free of charge)</b> |     |                   |
|  |                | Electrode ring and pole (Anode and Cathode),                     |     |                   |
|  |                | Battery and Battery charger                                      |     |                   |
|  |                | Original catalogue   |     |                   |
|  |                | warranty certificate   |     |                   |
|  |                | <b>Other</b>   |     |                   |
|  |                | Backpack type  |     |                   |
|  |                | Able to work in any weather conditions                           |     |                   |
|  |                | Waterproof (much preferred)                                      |     |                   |
|  |                | <b>Insulator safety suite, Gloves and Boots</b>                  |     |                   |
|  |                | Water proof  |     |                   |
|  |                | <b>(If not supply free with device, quote as optional items)</b> |     |                   |
|  |                | Non-electrical conductor material                                |     |                   |
|  |                | <b>Warranty</b>  |     |                   |
|  |                | Two Years (or more) from the Manufacturer                        |     |                   |
|  |                | <b>Training</b>  |     |                   |
|  |                | In house training should provide free of charge                  |     |                   |

|   |                              |   |   |  |
|---|------------------------------|---|---|--|
| 2 | Refrigerated centrifuge      | LED display   | 1 |  |
|   |                              | Temperature 4°C to 40°C   |   |  |
|   |                              | Max speed up to 13000 rpm   |   |  |
|   |                              | With different Rotors (swing bucket rotor)for 15 ml, 50 ml, 250 ml tubes/bottles                              |   |  |
|   |                              | With Manufacturer warranty  |   |  |
|   |                              | Manufacturer authorization  |   |  |
|   |                              | With compatible UPS   |   |  |
| 3 | Micro Centrifuge             | 24 x 1.5/2.0 ml /eppendorf tube   | 1 |  |
|   |                              | Max. speed 14,000 rpm   |   |  |
|   |                              | Automatic lid opening   |   |  |
|   |                              | With Manufacturer warranty  |   |  |
|   |                              | Manufacturer authorization  |   |  |
| 4 | Uv-Visible spectrophotometer | Operating principle must be with two beams: Absorption single-beam spectrophotometer with the reference beam. | 1 |  |
|   |                              | Instrument should operate moment switched on with no warming up time.   |   |  |
|   |                              | Sample volume ranging from 400 µL to 4 mL.  |   |  |
|   |                              | Wave length range from 200 nm to 830 nm, withspectral scanning fe ature.                                      |   |  |
|   |                              | System should also allow using conventional quartz/glass/plastic cuvettes. (10mm)                             |   |  |
|   |                              | Must have evaluation methods with factor, standard or standar d series.                                       |   |  |
|   |                              | Must have Multi – wavelength, Dual wavelength applications with subtraction and division analysis.            |   |  |
|   |                              | Pre-programmed methods for a quick start.   |   |  |
|   |                              | Direct operation on the device, with no requirement for PC.   |   |  |
|   |                              | Measuring results (>1,000) can be saved directly on the device .  |   |  |
|   |                              | >100 method programs in memory  |   |  |
|   |                              | Spectral band width : < 4 nm  |   |  |
|   |                              | Photometric measuring range : 0 A to 3.0 A at 260 nm  |   |  |
|   |                              | Random error: ≤ 0.002 if A = 0, ≤ 0.005 (0.5 %) if A = 1  |   |  |
|   |                              | Systematic error: ±1% if A = 1  |   |  |
|   |                              | With Manufacturer warranty  |   |  |
|   |                              | Manufacturer authorization  |   |  |

|   |  |   |   |  |
|---|--|---|---|--|
| 5 | Rotary evaporation system with vacuum pump and chiller | Rotation - Very quiet motor (belt instead of gearwheel)   | 1 |  |
|   |  | RPM from 20 to 280 / min  |   |  |
|   |  | Vacuum seal - The inert PTFE sealing ring   |   |  |
|   |  | Stop cock - Easy control of the vacuum, parallel aeration of the system and refilling of flask is possible. |   |  |
|   |  | Manual Action Lift - stroke distance 140mm - 160 mm approx.   |   |  |
|   |  | Robust lift construction -Construction guarantees a long lifetime   |   |  |
|   |  | Lift blocker to protect flasks against breakage   |   |  |
|   |  | Control device for Vacuum regulation – Optional   |   |  |
|   |  | Condenser – Vertical Condenser  |   |  |
|   |  | 1400 cm <sup>2</sup> cooling surface  |   |  |
|   |  | Water bath - Precise temperature range from room temperature to 95 °C                                       |   |  |
|   |  | Water bath - Temperature adjustment is possible +/- 2°C   |   |  |
|   |  | Prepared for up to 4 liter capacity flasks  |   |  |
|   |  | 1200 - 1500 W heating power for water bath  |   |  |
|   |  | Enables quick distillation start  |   |  |
|   |  | Additional glassware/consumable parts such as flasks/vapor duct/seal shall be quoted separately             |   |  |
|   |  | <b>Rota vapor:</b>  |   |  |
|   |  | Dimensions (L x H x D) : 450 - 500 x 600-650 x 500-550 mm approx.   |   |  |
|   |  | Power consumption, 30W approx.  |   |  |
|   |  | Rotation speed : 20 - 280 rpm   |   |  |
|   |  | Enable the use of Flask sizes : 50 to 4000ml,   |   |  |
|   |  | Need Additional 1000ml capacity evaporating and condensing flasks 3 each.                                   |   |  |
|   |  | <b>Water Bath</b>   |   |  |
|   |  | Power consumption, 1500- 1800 W   |   |  |
|   |  | Bath size, 4 liter  |   |  |
|   |  | Max. flask size, 4 liter  |   |  |
|   |  | Digital temperature display actual and adjusting set temperature  |   |  |
|   |  | Over temperature protection   |   |  |
|   |  | <b>Vacuum Pump</b>  |   |  |
|   |  | Suction capacity 1.5 meter cube per hour  |   |  |
|   |  | Final vacuum 10 mbar /accuracy +/- 2 mbar   |   |  |
|   |  | Power consumption 150 W   |   |  |
|   |  | Pump - DC, Brushless  |   |  |
|   |  | Material - PTFE, Chemical resistant diaphragm pump  |   |  |

|   |                  |   |   |  |
|---|------------------|---|---|--|
|   |                  | <b>Recirculation Chiller</b>  |   |  |
|   |                  | Temperature range, -5°C to +25°C  |   |  |
|   |                  | Power consumption 850 W approx.   |   |  |
|   |                  | Temperature display - digital   |   |  |
|   |                  | Temperature regulation accuracy +/- 1 °C  |   |  |
|   |                  | Tank volume 1 L   |   |  |
|   |                  | Flow rate 2.5 L per min approx.   |   |  |
|   |                  | Pump pressure range, 0.5 – 0.7 bar  |   |  |
|   |                  | With Manufacturer warranty (Not less than 12months) & Manufacturer authorization  |   |  |
| 6 | Ice flake maker  | Structure should be completely realized in stainless steel 18/10 AISI 304. Inside, the structure it includes a bin, realized in atoxic plastic material, where is stored the ice, when this bin is full, the machine should stop itself to produce ice. The bin is also insulated, to avoid the melting of the ice stored | 1 |  |
|   |                  | Feet: made in plastic material, adjustable in height for levelling  |   |  |
|   |                  | Door: in the front part of the appliance is located the door plastic made that closes the storage bin   |   |  |
|   |                  | Water inlet and outlet: both located in the rear part of the appliance. The water inlet is 3/4" size, while the water outlet is 24 mm Ø. • Kind of ice : flake  |   |  |
|   |                  | Production (Kg/24h) : 90  |   |  |
|   |                  | Bin capacity (Kg) : 20  |   |  |
|   |                  | Cooling unit: bottom mounted, with the condensing unit compounded by 1 hermetic compressor and 1 finned condenser   |   |  |
|   |                  | Water consumption (litres/Kg): 1 (version A), 6,3 (version W)   |   |  |
|   |                  | Refrigerant: R404a CFC-free   |   |  |
|   |                  | Voltage (V/ph/Hz) : 220-230/1/50  |   |  |
|   |                  | Noise level (dB(A)) : ≤ 50  |   |  |
|   |                  | With Manufacturer warranty  |   |  |
|   |                  | Manufacturer authorization  |   |  |
| 7 | BOD Incubator    | Incubation temp – 3c to 50c   | 1 |  |
|   |                  | Accept 5 BOD system   |   |  |
|   |                  | Volume- 215L  |   |  |
|   |                  | With Manufacturer warranty  |   |  |
|   |                  | Manufacturer authorization  |   |  |
| 8 | Glassware washer | External and internal surface cleaning of flasks, wide mouth bottles, Petri dish, beaker etc  | 1 |  |
|   |                  | Washing procedure- Please specify   |   |  |
|   |                  | Air heater with circulating fan, drying temperature can be set 80 or over °c  |   |  |
|   |                  | Programmable , please specify the number of programs  |   |  |
|   |                  | Capacity approximately 100 L or better  |   |  |

|    |                              |  |   |  |
|----|------------------------------|--|---|--|
|    |                              | Washer chamber size WxDxH mm 600x600x450   |   |  |
|    |                              | Interior and exterior material should be stainless steel   |   |  |
|    |                              | Water consumption per cycle 30L  |   |  |
|    |                              | Water pressure minimum 0.5 Mpa   |   |  |
|    |                              | Noise Below 60 dBa   |   |  |
|    |                              | Power consumption below 10 Kw  |   |  |
|    |                              | Accessories should include beaker racks, combined racks, flask rack, petri dish racks and pipette racks                                  |   |  |
|    |                              | Power 220V/ 50-60Hz/ single phase  |   |  |
|    |                              | Manufacturer authorization required  |   |  |
|    |                              | Minimum warranty period – 3 Years  |   |  |
|    |                              | After sales services Please specify  |   |  |
|    |                              | With Manufacturer warranty   |   |  |
|    |                              | Manufacturer authorization   |   |  |
| 9  | Fume Hood                    | Fume hood should be high chemical resistant Polypropylene and one piece welded structure   | 1 |  |
|    |                              | Exterior dimensions ( WxDxH) approximately 1800 x 800 x 2300 mm  |   |  |
|    |                              | Work space dimensions (WxDxH) approximately 1600x600x1100 mm   |   |  |
|    |                              | User-friendly digital control system including fan speed control, and displays for air pressure, signal light, operation time and alarms |   |  |
|    |                              | Easy filter replacement, including the active carbon filter  |   |  |
|    |                              | Worktop should be built in ceramic work top  |   |  |
|    |                              | Exterior – Welded white polypropylene structure with enhanced thermal characteristics  |   |  |
|    |                              | Front Sash Opening-720 mm or higher  |   |  |
|    |                              | Wind speed at 0.5+0.1 m/s, 100±FPM   |   |  |
|    |                              | Standard compliance to EN-14175 / ASHRAE 110-1995  |   |  |
|    |                              | Should have fluorescent lamp with safety cover   |   |  |
|    |                              | Noise level should be less than 52dB   |   |  |
|    |                              | Should have power outlet, water  |   |  |
|    |                              | With Manufacturer warranty   |   |  |
|    |                              | Manufacturer authorization   |   |  |
| 10 | Canopies with ducting system | Dimension 32'' x 42 ''(inch)   | 2 |  |
|    |                              | poly Polypropylene   |   |  |

## 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.

|                   |   |
|-------------------|---|
| <b>CC 1.1(i)</b>  | The Purchaser is: Uva Wellassa University   |
| <b>CC 1.1 (m)</b> | The Project Site(s)/Final Destination(s) is/are: Uva Wellassa University, Passara Road, Badulla.  |
| <b>CC 8.1</b>     | For notices, the Purchaser's address shall be:<br><br>Senior Assistant Bursar<br>Address: Uva Wellassa University, Passara Road, Badulla.<br>Telephone:055-2226475/ 055-2226533   |
| <b>CC 11</b>      | Goods shall be supplies in compliance with the quality and the specification given.   |
| <b>CC 15.1</b>    | CC 15.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:<br><br>For Goods offered within Sri Lanka<br><br>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.<br><br>a) No Advance payment applicable for this contract<br>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.<br>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 equipments.<br>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. |
| <b>CC 17.1</b>    | A Performance Security – 10%<br>Performance security may be in any of the following way<br>(a) A Bank guarantee issued by a reputed bank operated in Sri Lanka.<br>(b) Cash deposit at the Shroff Counter of the University   |
| <b>CC 26.1</b>    | The liquidated damage (Late Delivery) shall be: 1% from the contract sum, per week.   |
| <b>CC 26.1</b>    | The maximum amount of liquidated damages shall be:10 % from the contract sum.   |
| <b>CC 27.3</b>    | The warranty shall remain valid for a period of time specified with the specifications.   |
| <b>CC 27.6</b>    | The supplier shall remedy the defects within 3 Months from the date of information by the purchaser.  |