

**DEMOCRATIC SOCIALIST REPUBLIC OF
SRI LANKA**



**UVA WELLASSA UNIVERSITY
AHEAD PROJECT**

**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF
LABORATORY EQUIPMENT FOR DOR PROJECT**

UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04

BIDDING DOCUMENT

Bid Opening On	08 th July 2019 - 3.00 p.m.
Bid Validity up to	5 th November 2019

Uva Wellassa University
Passara Road,
Badulla,
Sri Lanka.



AHEAD Operation
Uva Wellassa University

Deputy Director Procurement
Uva Wellassa University

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**INVITATION FOR BIDS
UVA WELLASSA UNIVERSITY
AHEAD PROJECT**



**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF LABORATORY EQUIPMENT
FOR DOR PROJECT
UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04**

The Chairman, Department Procurement Committee, on behalf of the AHEAD project Uva Wellassa University, invites sealed bids from eligible bidders and qualified bidders for **Supply, Delivery, Installation & Commissioning of Laboratory Equipment for DOR Project**

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 Deputy Director Procurement (AHEAD/OTS), Uva Wellassa University, Passara Road, Badulla, (Tel. No: 055-2226622 Ext- 1124, Fax No: 055-2226633), and inspect the bidding documents at the project office of the University between 9.00 am to 3.00 pm from **17th June 2019 to 8th July 2019**.
4. A complete set of bidding documents in English may be purchased by interested bidders on submission of a written application to the Deputy Director Procurement (AHEAD/OTS), Uva Wellassa University, Passara Road, Badulla and upon payment of a non-refundable fee of Rupees **5,000.00** 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 should submit the complete documents along with a Bank Draft drawn in favour of the "Vice Chancellor, Uva Wellassa University" for **Rs.5,000.00** as non-refundable fee or the payments could be made to any branch of Bank of Ceylon, to the Uva Wellassa University, Account No: 82592579, and the original of the cash receipt/deposit slip to be attached with the bidding documents. The documents may be purchased **until 12.30 p.m. on 08/07/2019**. The pre bidding meeting has been scheduled to be held on **25/06/2019 at 11.30 a.m. at Board room of the University**.
5. Bids must be delivered to be addressing **Chairman, Department Procurement Committee, Uva Wellassa University, Passara Road, Badulla**, on or before **3.00 p.m. on 08/07/2019**. Please indicate the "SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING OF LABORATORY EQUIPMENT FOR DOR PROJECT – UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04" on the top left hand corner of the envelope.
6. All bids must be accompanied by a Bid Security addressed to the **Vice Chancellor, Uva Wellassa University**, valid for 120 days from the date of the bid opening. The Value of the Bid Security shall be **Rs.258,000.00**.
7. 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 in Clause No.5.
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
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 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

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 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 VIII. Contract Forms

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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.]

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: Uva Wellassa University, AHEAD Project
ITB 1.1	The name and identification number of the Contract are: Supply, Delivery, Installation & Commissioning of Laboratory Equipment for DOR Project Contract No: UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04
ITB 1.2	The bidder should have at least three years' experience in the relevant industry in Sri Lanka and should submit documents to prove experience in the industry.
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 Director Procurement (AHEAD/OTS) Address: Uva Wellassa University, Passara Road, Badulla. Telephone: 055-2226622 Ext-1124 Electronic mail : ahead@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 bidders including, but not limited to, the following: <ul style="list-style-type: none"> • Business Registration Certificate • VAT Registration Certificate • List of client who use the Products • Past 3 years relevant experience in the relevant Industry in Sri Lanka • Manufacturer's Authorization. • Certificate of Registration under Public Contract Act.
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: 120 days from 08/07/2019
ITB 20.1	Bid shall include a Bid Security in any of following ways (a) A Bank guarantee issued by a reputed bank operated in Sri Lanka. (b) Cash deposit at the Shroff Counter of the University (c) Cash deposit from any branch of Bank of Ceylon, to the Uva Wellassa University, Account No: 82592579, and the cash receipt/deposit slip to be attached with the bidding documents.

ITB 20.2	The amount of the Bid Security shall be: Rs.258,000.00 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, INSTALLATION & COMMISSIONING OF LABORATORY EQUIPMENT FOR DOR PROJECT Contract No: UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04
ITB 23.1	For bid submission purposes, the Purchaser's address is: Attention: Deputy Director Procurement (AHEAD/OTS) Address: Uva Wellassa University, Passara Road, Badulla. The deadline for the submission of bids is Date: 08/07/2019 Time: 3.00 p.m.
ITB 26.1	The bid opening shall take place at: Address: Board Room, Uva Wellassa University, Passara Road, Badulla. Date: 08/07/2019 Time: 3.00 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, from amongst those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: Option 2 is selected and the adjustment is 0.5% per week or part thereof (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: Not applicable
ITB 35.5	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/AHEAD/DOR/FASEA/NCB/GOODS/LE/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 & Commissioning of Laboratory Equipment for DOR Project, Contract No: UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04** said Price Schedule amounting to Rupees
.....and cents.....(Rs) only

I / We undertake to **Supply, Delivery, Installation & Commissioning of Laboratory Equipment for DOR Project 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 of20..... 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.....

Price Schedule
Supply, Delivery, Installation & Commissioning of Laboratory Equipment for DOR Project
Contract No: UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04

No	Items	QTY	Unit Price (excluding VAT)	Total Price (excluding VAT)	VAT 15%	Total Price including VAT
1	Fourier-transform infrared spectroscopy [FTIR]	01				
2	Banana fiber extraction machine	02				
3	Refrigerated Centrifuge (250 ml)	01				
4	Analytical Balance	01				
5	Single Decimal Electronic Balance	01				
6	Top Loading Balance	01				
7	pH Meter	01				
8	EC/TDS Meter	01				
9	Heavy Duty Tensile Grips - HD For Texture Analyzer Model TA.HDplus Brand – Stable Micro Systems	01				

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 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]* (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		Department of Export Agriculture, Uva Wellassa University	Within 4 Weeks of the Order	Within 10 Weeks of the Order	

* Destination of delivery: - Department of Export Agriculture,
Uva Wellassa University,
Passara Road,
Badulla.

2. Technical Specifications

The bidder shall follow the following technical requirement and other requirement

General Conditions

For equipment, Bidders should provide following details:

Country of origin catalogues, Mother company registration letter, possible date of supply, Mother company warranty period, After sales and service facility, Service agreement cost and free service period, Approximate value for main spare parts, Installation & operational manual/s, installation and demonstration should provide free of charge if this product is purchased, Local agent should have necessary tools to carry out complete service and repair.

Technical Specifications

Supply, Delivery, Installation & Commissioning of Laboratory Equipment for DOR Project - UWU/AHEAD/DOR/FASEA/NCB/GOODS/LE/04

No	Item	Specifications	Bidders' Response
1	Fourier-transform infrared spectroscopy [FTIR]	<p>Should be able to analysis solids, Gases and Liquids with required accessories to analysis</p> <p>Should be having ATR, Diffuse Reflectance and Transmission modes with all accessories to analysis</p> <p>Enclosure: The interferometer should be air-tight and in-cooperates a unique internal auto dryer</p> <p>Spectrometer Interface: USB</p> <p>Should be a bench top design</p> <p>All range of Near IR/Vis, Mid IR</p> <p>(Should be able to cover 7800 - 350 cm-1 or better specially in lower wave numbers)</p> <p>Spectral Resolution: < 0.1 cm-1 or better</p> <p>Wave number accuracy:0.01 cm-1</p> <p>Optical system should be equipped with internal dynamic collimation and movable mirror system</p> <p>Detector: High Resolution DTGS Detector or better Technology and it should be User replaceable and room temperature operation.</p> <p>Signal to Noise Ratio: 50000:1 peak to peak in one minute or better</p> <p>Light Source: Long life, air cooled Mid IR source with NIR/Vis light source</p> <p>Extra Accessories:</p> <p>All accessories for above mentioned analysis</p> <p>1 - Demountable liquid transmission cells</p> <p>Air purging system for Gas analysis</p> <p>1 no of Magnetic KBr Pellet Holder</p> <p>1 no of Hand press for making transparent KBr pellets (discs) with diameters of 7mm, 4mm and 2mm</p>	

		<p>1 no of Mortar and Pestle with ~35 mm OD</p> <p>System can be upgraded to GC – IR, FT-IR Microscope, Raman, NIR, TGA and ready to supply for future upgrades</p> <p>SYSTEM CONTROL FACILITY</p> <p>Laptop: PC – i5 PC to operate software 500 GB SSD Hard Disk, 4 GB RAM, 15-inch LED Display + mouse or Similar Desktop.</p> <p>"3 KVA UPS or better with minimum 15 minutes battery backup" for both instrument and the computer</p> <p>Software: User friendly software, Data Analysis Facility should be available (Priority Requirements - live spectral displays during data collection should be available. Should be able to do the spectral search and comparison with library. Information of detector, beam splitter, and source should be available for diagnostics and performance check. Data saving facility in spreadsheet formats should be available</p> <p>Spectral comparison should be available to one or many spectra which is available in libraries or available previous done spectra. System software should provide the facility to generate own library)</p> <p>Comprehensive training (Minimum 3 days) should be provide by the supplier to operate the equipment efficiently, collect the data and interpret, safe handling of the equipment and minimum maintenance</p> <p>Manuals (User/ Operational and maintenance) of the system should be included</p> <p>Letter of authority required from the manufacture.</p> <p>Documentary evidence of requested specifications should be provided clearly by making on manufactures literature where necessary.</p> <p>Suggesting item should be a world reputed brand with at least 3 years satisfactory sales record including in Sri Lanka</p> <p>3-years warranty or higher</p>	
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2	Banana fiber extraction machine	<p>Brand of Tech Pro or equivalent</p> <p>Machine Weight: 160 kg (APPROX) Machine Structure: Length: 3 and half feet, Breadth: 2 feet, Height: 3 and half feet RPM of machine: 1440 Motor size: 1. hp Power: Single phase line Blade: SS</p> <p>Machine base wheel with base wheel with Autolock</p> <p>Material construction of machine: MS Angle body with sheet cover (powder coating) Production: Per Shift (8Hrs) 25 -30KG</p>	
3	Refrigerated Centrifuge (250 ml)	<p>Bench top Soft-touch lid closure Refrigerated Temperature range from – 9 °C to 40 °C (Minus nine to forty) Dynamic compressor control [DCC] Technology CFC-free refrigerant OPD [Ozone Depletion Potential] should be very less value. Eco shut-off function Brushless induction motor Fast temperature function Rotor life time: max. 60,000 cycles Buckets and adapters are autoclavable Compact footprint Certificates - Our Installation Qualification (IQ) Operational Qualification (OQ) ensure the temperature accuracy The Performance plan Feature - Manufacturer-specific test procedures GLP supporting documentation Centrifuge speed - 200–14,000 rpm (in 10 rpm increments) 4 × 250 mL swing-bucket rotor. Max. speed 3,234 × g (4,200 rpm) 15 ml tubes - 32 50 ml tubes – 16 Rotor options – 12 Accel. /Braking ramps - 10/10</p>	

		<p>Programs - 35 user programs [Thirty-five user programs] Timer - 1 min. to 99 min, continuous mode, short spin Noise level <58 dB(A) Power supply 230 V/50–60 Hz Power requirement <1700 W Each unit shall be supplied with an operational manual and a service manual as well as English The equipment shall be warranted for a period of not less than 36 calendar months from the date of successful commissioning on full “parts and labor basis.</p> <p>Such a warranty shall also include servicing and preventive maintenance during the period of validity. Tenderers must specify in detail the means available to them to implement such a warranty. The renderer shall provide the list of customers who have been supplied with the identical equipment Letter from manufacturer for 10 years spare parts availability Please attached back up machine details when the instrument is broken Please add the details of after sale services</p> <p>Specification to be mentioned in the original catalogue or brochure and displayed in the product website.[as a brochure or catalogue] Please mention the website of product.</p> <p>European, Japanese, American brand or to Equalent Warranty period – 5 years [five years] Letter of manufacturer authorization required</p>	
4	Analytical Balance	<p>The Balance should have input power supply of 230 V +- 10% , 50 Hz The unit should have measuring range 0-220g The unit should have minimum display of 0.0001g Stabilization time 03 Sec. Pan Size 91mm Dia. The Unit should have Touch-key internal calibration (Automated calibration can be</p>	

		<p>started by pressing keys)</p> <p>The Unit should have expanded Piece Counting function</p> <p>The unit can Compare samples to target values or pass/fail criteria and clearly indicate the results</p> <p>The unit should have Durable, high-performance aluminum alloy mass sensor UniBloc</p> <p>Warranty period – 2 years [Two years]</p> <p>Letter of manufacturer authorization required</p>	
5	Single Decimal Electronic Balance	<p>Capacity- 32kg or better</p> <p>Readability- (d) 0.1g or better</p> <p>Repeatability – 0.1g or better</p> <p>Linearity +/- 0.3g or better</p> <p>Stabilization time 3s or less</p> <p>Pan size 400x350 mm or more</p> <p>Calibration – with internal weights are preferred</p> <p>Tare – Full range</p> <p>Large fluorescent display for easy viewing on an attached pole</p> <p>The instrument should be Water & dust proof, durable with IP65 protection class</p> <p>Should be ISO/GLP/GMP compliant</p> <p>Warranty – 2 Years</p> <p>Spare parts availability- 10 Years</p> <p>Manufacturer authorization required</p>	
6	Top Loading Balance	<p>Capacity – 4000 g or 6500g</p> <p>Readability- (d) 0.1g</p> <p>Repeatability – 0.1g</p> <p>Linearity +/- 0.01g</p> <p>Weighing modes weight measurement, animal weighing mode, parts counting, and Percentage weighing and density measurement.</p> <p>Pan size 190x190 mm or more diameter with stainless steel pan</p> <p>Calibration self-calibration according to temperature changes or pre- set conditions.</p> <p>Dimensions LWH 200x300x90 mm or less foot print</p> <p>Internal calibration required</p> <p>Water resistant , Dust proof IP 65 Rating</p> <p>Back-lit function for easy viewing</p>	

		<p>RS 232C port/USB should be there to connect to printer or computer</p> <p>Power supply 220-230V 50 -60 Hz</p> <p>Please offer rechargeable battery</p> <p>Warranty – Minimum 2 Years</p> <p>Spare parts availability- 10 Years</p> <p>Warranty 01 year</p> <p>Letter of manufacturer authorization letters is required.</p>	
7	pH Meter	<p>pH Range -2.0 to 20.0 pH, -2.00 to 20.00 pH, -2.000 to 20.000 pH</p> <p>pH Resolution - 0.1, 0.01, 0.001 pH</p> <p>pH Accuracy (25°C/77°F) - ±0.1 pH, ±0.01 pH, ±0.002 pH ±1 LSD</p> <p>pH Calibration - automatic, up to five point calibration, eight standard buffers available (1.68, 3.00, 4.01, 6.86, 7.01, 9.18, 10.01,12.45) and five custom buffers</p> <p>pH Temperature Compensation - automatic or manual from -20.0 to 120.0 °C</p> <p>mV Range - ±2000 mV</p> <p>mV Resolution - 0.1 mV</p> <p>mV Accuracy - ±0.2 mV ±1 LSD</p> <p>Relative mV Offset Range -</p> <p>±2000 mV</p> <p>Temperature Range - -20.0 to 120.0 °C</p> <p>Electrode/Probe - HI1131B glass body pH electrode with BNC connector and 1 m (3.3') cable (included)</p> <p>Temperature Probe - stainless steel temperature probe</p> <p>GLP - calibration data including date, time, buffers used, offset and slope</p> <p>Solution to be supplied - pH 4.01 buffer solution, pH 7.01 buffer solution, electrode cleaning solution, 3.5M KCl electrolyte solution</p> <p>Input Channels - 1 - pH/ORP</p> <p>Connectivity – USB</p> <p>Warranty – 2 years</p> <p>Manufacturer authorization is required.</p>	
8	EC/TDS Meter	<p>EC Range - 0.000 to 9.999 µS/cm, 10.00 to 99.99 µS/cm, 100.0 to 999.9 µS/cm, 1.000 to 9.999 mS/cm, 10.00 to 99.99 mS/cm, 100.0 to</p>	

		<p>1000.0 mS/cm</p> <p>EC Resolution - 0.001 μS/cm, 0.01 μS/cm, 0.1 μS/cm, 0.001 mS/cm, 0.01 mS/cm, 0.1 mS/cm</p> <p>EC Calibration - automatic standard recognition (0.000 μS/cm, 84.00 μS/cm, 1.413 mS/cm, 5.000 mS/cm, 12.88 mS/cm, 80.00 mS/cm, 111.8 mS/cm) or user standard; single point or multi-point calibration</p> <p>Resistivity Range - 1.0 to 99.9 Ω•cm; 100 to 999 Ω•cm; 1.00 to 9.99 KΩ•cm; 10.0 to 99.9 KΩ•cm; 100 to 999 KΩ•cm; 1.00 to 9.99 MΩ•cm; 10.0 to 100.0 MΩ•cm</p> <p>Resistivity Resolution - 0.1 Ω•cm; 1 Ω•cm; 0.01 KΩ•cm; 0.1 KΩ•cm; 1 KΩ•cm; 0.01 MΩ•cm; 0.1 MΩ•cm*</p> <p>Salinity Range - practical scale: 0.00 to 42.00 psu; natural seawater scale: 0.00 to 80.00 ppt; percent scale: 0.0 to 400.0%</p> <p>Salinity Resolution - 0.01 for practical scale/natural seawater scale; 0.1% for percent scale</p> <p>Salinity Calibration - percent scale—one-point (with HI7037 standard)</p> <p>Temperature Range - -20.0 to 120.0 $^{\circ}$C**; -4.0 to 248.0 $^{\circ}$F</p> <p>Temperature Compensation - disabled, linear and non-linear (natural water)</p> <p>Temperature Coefficient - 0.00 to 10.00 %/$^{\circ}$C</p> <p>Cell Constant - 0.0500 to 200.00</p> <p>Electrode/Probe - platinum, four-ring EC/TDS probe</p> <p>GLP - cell constant, reference temperature, temperature coefficient, calibration points, calibration time stamp, and probe offset for conductivity</p> <p>Connectivity – USB</p> <p>Warranty - 2 years</p> <p>Manufacturer authorization required</p>	
9	<p>Heavy Duty Tensile Grips - HD</p> <p>For Texture Analyzer Model TA.HDplus</p> <p>Brand- Stable Micro Systems</p>	<p>For Texture Analyzer Model TA.HD plus (A/HDT)</p> <p>Maximum holding capacity of 500kg (5kN). The jaw face - 50mm wide and 30mm high with knurled finish as standard.</p> <p>Accommodate sample width - up to 12mm maximum width</p>	

	<p>Manufacturing Material: Stainless Steel & Aluminium Maximum Operating Temperature: 200C Maximum Applied Load (Tension): 750kg* Total height: 260mm Grip opening width: 12mm maximum</p> <p>Please mention warranty period.</p>	
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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: AHEAD Project, Uva Wellassa University
CC 1.1 (m)	The Project Site(s)/Final Destination(s) is/are: Department of Agriculture, Uva Wellassa University, Passara Road, Badulla.
CC 8.1	For notices, the Purchaser's address shall be: Deputy Director Procurement (AHEAD/OTS) Uva Wellassa University, Passara Road, Badulla.
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	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.

“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	Tender Fee				
12	Financial Statement				
Status					

“Bidders must be filled above check List”