

IFB NO. EUSL/OTS/AHEAD/R1/TEC/NCB/22/13



EASTERN UNIVERSITY, SRI LANKA

**ACCELERATING HIGHER EDUCATION EXPANSION AND DEVELOPMENT
OPERATION (AHEAD)**

PROCUREMENT OF GOODS

(NATIONAL COMPETITIVE BIDDING)

**SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING
OF LABORATORY EQUIPMENT**

THE DEADLINE FOR BID SUBMISSION: 27/07/2022 AT 14.00 HOURS (02.00PM)

BIDDING DOCUMENT

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 notes in italics mentioned for the relevant ITB Clauses.]

ITB Clause Reference	A. General																																							
ITB 1.1	The Purchaser is ¹ : Eastern University, Sri Lanka (EUSL)																																							
ITB 1.1	<p>The name and identification number of the Contract are²:</p> <p style="text-align: center;">SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF LABORATORY EQUIPMENT</p> <p>PROCUREMENT No.: EUSL/OTS/AHEAD/R1/TEC/NCB/22/13</p> <p>The number, identification and names of the lots comprising this procurement are³:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Item No</th> <th style="width: 70%;">Type of Items</th> <th style="width: 20%;">Quantity</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td>Soxhlet Apparatus</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">2</td><td>Kjeldhal Digestion and Distillation Assembly</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">3</td><td>Fiber extraction unit</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">4</td><td>Rotary evaporator with heating bath</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">5</td><td>Cabinet dryer</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">6</td><td>Mini fruit pulper</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">7</td><td>Motorized Butter churner</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">8</td><td>Hydraulic press for fruit juice extraction</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">9</td><td>Single screw laboratory food extruder</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">10</td><td>Orbital shaker for flasks</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">11</td><td>Vacuum oven</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">12</td><td>Atomic Absorption Spectro photo Meter</td><td style="text-align: center;">01</td></tr> </tbody> </table>	Item No	Type of Items	Quantity	1	Soxhlet Apparatus	01	2	Kjeldhal Digestion and Distillation Assembly	01	3	Fiber extraction unit	01	4	Rotary evaporator with heating bath	01	5	Cabinet dryer	01	6	Mini fruit pulper	01	7	Motorized Butter churner	01	8	Hydraulic press for fruit juice extraction	01	9	Single screw laboratory food extruder	01	10	Orbital shaker for flasks	01	11	Vacuum oven	01	12	Atomic Absorption Spectro photo Meter	01
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² insert **complete** legal name of the Procuring Entity

² insert title of procurement and bid number reference of the Procuring Entity

² Applicable only if separate contracts are awarded to different lots; if so insert lot reference and title of the each lot

² insert the source of funding such as GOSL, World Bank, Asian Development Bank etc

ITB 2.1	The source of funding is ⁴ : Credit/Grant #:6026-LK/8743-LK ACCELERATING HIGHER EDUCATION EXPANSION AND DEVELOPMENT OPERATION (AHEAD)
ITB 4.4⁵	Foreign bidders are not allowed to participate in bidding.
B. Contents of Bidding Documents	
ITB 7.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Deputy Director Procurement, OTS/AHEAD Project, OTS Office, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady. Tel: 065-2059393 E-mail: ddp_ots@esn.ac.lk ots@esn.ac.lk
C. Preparation of Bids	
ITB 11.1 (e)⁶	The Bidder shall submit the following additional documents: Document for prove the Qualification requested in IFB. 1. Certified copy of Business Registration 2. Copy of the Manufacturer Authorization Letter issued by the Manufacturer. 3. Evidence to prove last Five years' experience in suppling of similar items. 4. Copies of Audited Financial Statements for last Three (03) years. (2022/2021, 2021/2020, 2020/2019) 5. Average turnover for last three years should be equal or more than Rs. 100 Million.

⁶ Insert only for foreign funded projects or only when foreign bidders are allowed to participate under GOSL funded projects.

⁶ If no additional documents are required may delete this row

ITB 14.3⁷	<p>The bidders may quote to SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF LABORATORY EQUIPMENT</p> <table border="1" data-bbox="432 376 1439 869"> <thead> <tr> <th data-bbox="432 376 571 412">Item No</th> <th data-bbox="571 376 1278 412">Type of Items</th> <th data-bbox="1278 376 1439 412">Quantity</th> </tr> </thead> <tbody> <tr> <td data-bbox="432 412 571 448">1</td> <td data-bbox="571 412 1278 448">Soxhlet Apparatus</td> <td data-bbox="1278 412 1439 448">01</td> </tr> <tr> <td data-bbox="432 448 571 483">2</td> <td data-bbox="571 448 1278 483">Kjeldhal Digestion and Distillation Assembly</td> <td data-bbox="1278 448 1439 483">01</td> </tr> <tr> <td data-bbox="432 483 571 519">3</td> <td data-bbox="571 483 1278 519">Fiber extraction unit</td> <td data-bbox="1278 483 1439 519">01</td> </tr> <tr> <td data-bbox="432 519 571 555">4</td> <td data-bbox="571 519 1278 555">Rotary evaporator with heating bath</td> <td data-bbox="1278 519 1439 555">01</td> </tr> <tr> <td data-bbox="432 555 571 591">5</td> <td data-bbox="571 555 1278 591">Cabinet dryer</td> <td data-bbox="1278 555 1439 591">01</td> </tr> <tr> <td data-bbox="432 591 571 627">6</td> <td data-bbox="571 591 1278 627">Mini fruit pulper</td> <td data-bbox="1278 591 1439 627">01</td> </tr> <tr> <td data-bbox="432 627 571 663">7</td> <td data-bbox="571 627 1278 663">Motorized Butter churner</td> <td data-bbox="1278 627 1439 663">01</td> </tr> <tr> <td data-bbox="432 663 571 698">8</td> <td data-bbox="571 663 1278 698">Hydraulic press for fruit juice extraction</td> <td data-bbox="1278 663 1439 698">01</td> </tr> <tr> <td data-bbox="432 698 571 734">9</td> <td data-bbox="571 698 1278 734">Single screw laboratory food extruder</td> <td data-bbox="1278 698 1439 734">01</td> </tr> <tr> <td data-bbox="432 734 571 770">10</td> <td data-bbox="571 734 1278 770">Orbital shaker for flasks</td> <td data-bbox="1278 734 1439 770">01</td> </tr> <tr> <td data-bbox="432 770 571 806">11</td> <td data-bbox="571 770 1278 806">Vacuum oven</td> <td data-bbox="1278 770 1439 806">01</td> </tr> <tr> <td data-bbox="432 806 571 869">12</td> <td data-bbox="571 806 1278 869">Atomic Absorption Spectro photo Meter</td> <td data-bbox="1278 806 1439 869">01</td> </tr> </tbody> </table>	Item No	Type of Items	Quantity	1	Soxhlet Apparatus	01	2	Kjeldhal Digestion and Distillation Assembly	01	3	Fiber extraction unit	01	4	Rotary evaporator with heating bath	01	5	Cabinet dryer	01	6	Mini fruit pulper	01	7	Motorized Butter churner	01	8	Hydraulic press for fruit juice extraction	01	9	Single screw laboratory food extruder	01	10	Orbital shaker for flasks	01	11	Vacuum oven	01	12	Atomic Absorption Spectro photo Meter	01
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ITB 15.1⁸	The Bidder shall quote: Allowed to apply USD price for imported items and Sri Lanka LKR for local components. Evidence should be provided for imported items based on our request.																																							
ITB 18.1 (b)	<p>After sales service is: Required, Bidders are required to provide;</p> <p>(i) “after sales service” at least for a period of 05 years, after the warranty period.</p> <p>(ii) Cost/Amount (LKR) for Service/Maintenance charges of this item for 5 Years after the warranty period.</p> <p>This Amount will be considered in evaluation.</p>																																							
ITB 19.1⁹	The bid shall be validity until 77 days from bid opening date 27/07/2022.																																							
ITB 20.1	<p>Bid shall include a Bid Security issued by a commercial bank registered in Sri Lanka.</p> <p>Form of bid security is given in Section IV.</p>																																							

⁷ Insert only if bidders are allowed to quote less than 100% of items in a lot or less than 100% of the quantity for each item.

⁷ Delete if *the bidders are not allowed to quote in currencies other than Sri Lankan Rupees*

⁷ Insert only if required; if so insert *duration*

⁷ *insert day, month, and year, i.e. 16 September, 2006*

ITB 20.2¹⁰	The amount of the Bid Security shall be:			
	Lot No	Type of Items	Bid Security	Valid up to
	1	SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF LABORATORY EQUIPMENT	1% of the quoted price of the bidders	12/10/2022
D. Submission and Opening of Bids				
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks ¹¹ : “ SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF LABORATORY EQUIPMENT ”			
ITB 23.1	For bid submission purposes, the Purchaser’s address is: <p style="text-align: center;">Deputy Director/Procurement, OTS/AHEAD Project, Office of the Registrar, Senate Building, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady Tp. No.: 0652059393</p> The deadline for the submission of bids is: Date: 27/07/2022 Time: 14.00 hours (02.00 p.m.)			
ITB 26.1	The bid opening shall take place at: <p style="text-align: center;">OTS Room Eastern University, Sri Lanka, Vantharumoolai, Chenkalady.</p> Date: 27/07/2022 Time: <i>Immediately after the bid closing time of 14.00 hour (02.00 p.m.)</i> of same date			

11 Delete if BDS ITB 20.1 (b) is selected

12 insert the name and/or number that must appear on the bid envelope to identify this specific bidding process

E. Evaluation and Comparison of Bids	
ITB 34.1	Domestic preference <i>shall not</i> be a bid evaluation factor.
ITB 35.3(d)	The final price of the Price Schedule will be considered as the Bid Price (Subject to any adjustment if required)
ITB 35.4¹²	<p>The following factors and methodology will be used for evaluation:</p> <ol style="list-style-type: none"> a. Fully compliance with technical specification & all other bidding conditions. b. Fully compliance to the mandatory item in the specification c. Certificate of Business Registration d. Authorization letter from the manufacturer e. Spares should be available at least for 5 years. f. Should supply with operating manual and service manual and ISO Certificate. g. After sales services should be handled by local agents. h. Country of Origin should be stated i. Quoted brand should be more than 5 years in the International Market. Bidder must be attached Evidence Document. j. Factors related to characteristics performance and terms and conditions of purchase of the good and relative services will be considered.
ITB 35.5	<p>Purchaser shall</p> <ol style="list-style-type: none"> a. Evaluate total items specified in ITB 14.3 as an item wise. b. Consider the substantial, responsive, lowest-evaluated bidder.
ITB 43.1	Performance Bond should be submitted within Two week of Purchase order date for validity period of 120 Days (Beneficiary: The Vice Chancellor, Eastern University, Sri Lanka, Bond value: 10% of the total Purchase order Value, from Any bank registered under Central Bank of Sri Lanka

Section IV. Bidding Forms

Table of Forms

Bid Submission Form	
Price Schedule:.....	
Bid Security (Guarantee)	
Bid-Securing Declaration	
Manufacturer's Authorization	

Bid Submission Form

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

Date:

To: The Vice Chancellor
Eastern University Sri Lanka.

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to Supply, Installation, Commissioning and Maintenance in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods:

Item No	Type of Items
1	Soxhlet Apparatus
2	Kjeldhal Digestion and Distillation Assembly
3	Fiber extraction unit
4	Rotary evaporator with heating bath
5	Cabinet dryer
6	Mini fruit pulper
7	Motorized Butter churner
8	Hydraulic press for fruit juice extraction
9	Single screw laboratory food extruder
10	Orbital shaker for flasks
11	Vacuum oven
12	Atomic Absorption Spectro photo Meter

(Insert a brief description of the Goods)

The total price of our quotation including any discounts offered is

.....
.....[insert the total quoted price in words and figure]

- (c) Our quotation shall be valid for the period of time specified in ITV Sub-Clause 8.1, from the date fixed for the quotation submission deadline in accordance with ITV Sub-Clause 11.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (e) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed:

Name:

Dated: Official Seal:

Price Schedule

*[The Bidder shall fill in these Price Schedule in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

PRICE SCHEDULE

. 1	2	3	4		5	6	7		8	9	
ine Item No.	Description of Goods or related services	Qty	Unit price		Price per line item in LKR	Total Price Excluding VAT (Col 5+6) LKR	Total price in		VAT	Total Price Including VAT In LKR	
			In LKR	In \$			In LKR	In \$		In LKR	In \$
					In LKR	In \$					
1	Soxhlet Apparatus	01									
2	Kjeldhal Digestion and Distillation Assembly	01									
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Total											

***Allowed to apply USD price for imported items and Sri Lanka LKR for local components. Evidence should be provided for imported items based on our request**

Bid Guarantee

[Note: the purchaser is required to fill the information marked as “” and delete this note prior to selling of the bidding document]*

[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:** ----- *[name and address of Purchaser]*

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

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

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. ----- *[insert IFB number]* (“the IFB”).

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 Purchaser 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) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, 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(s) of authorized representative(s)]

Bid-Securing Declaration

[Note: the purchaser is required to fill the information marked as “” and delete this note prior to selling of the bidding document]*

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

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

*Name of contract -- *[insert name]*

Contract Identification N^o: -----[insert number]*

*Invitation for Bid No.: ----- *insert number]*

*To: Vice Chancellor, EUSL

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

Contents

1. List of Goods and Delivery Schedule
2. List of Related Services and Completion Schedule
3. Technical Specifications
4. Drawings
5. Inspections and Tests

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]

Line Item N°	Description of Goods	Quantity	unit	Final (Project Site) Destination as specified in BDS	Delivery Date ¹		
					Earliest Delivery Date	Latest Delivery Date	Bidder’s offered Delivery date
01	<i>Soxhlet Apparatus</i>	<i>01 Nos</i>		Faculty of Technology, Eastern University, Sri Lanka Pallachoolai, , Chenkallady	<i>On or before 30 days from the date of purchase order</i>	On or before 60 days from the date of purchase order	
02	<i>Kjeldhal Digestion and Distillation Assembly</i>	<i>01 Nos</i>					
03	<i>Fiber extraction unit</i>	<i>01 Nos</i>					
04	<i>Rotary evaporator with heating bath</i>	<i>01 Nos</i>					
05	<i>Cabinet dryer</i>	<i>01 Nos</i>					
06	<i>Mini fruit pulper</i>	<i>01 Nos</i>					
07	<i>Motorized Butter churner</i>	<i>01 Nos</i>					
08	<i>Hydraulic press for fruit juice extraction</i>	<i>01 Nos</i>					
09	<i>Single screw laboratory food extruder</i>	<i>01 Nos</i>					
10	<i>Orbital shaker for flasks</i>	<i>01 Nos</i>					
11	<i>Vacuum oven</i>	<i>01 Nos</i>					
12	<i>Atomic Absorption Spectro photo Meter</i>	<i>01 Nos</i>					

¹ applicable only if delivery is considered for evaluation. If not only one column “Delivery Date” duly filled by the Purchaser is required

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

03. 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

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
1.	Soxhlet Apparatus - 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Flask Capacity	100 ml or higher		
		Temperature Control	Ambient to 400°C		
		Heating Units	Please specify		
		Extracting Timer (optional)	Manual operation		
		Extracting Solvent	Automatically Recycled		
		Power Wattage	Vendor to specify		
		Power Supply	220-240 Volts 50/60 Hz		
		Warranty	Minimum one year or specify		
		Availability in stock	Yes/No		
		Minimum days required to	Please specify		

		deliver from the receiving date of the purchase order			
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
2.	Kjeldhal Digestion and Distillation Assembly – 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Heating Places	Vendor to specify		
		Flask Capacity	300 ml - 1000 ml		
		Heater	Mantle type		
		Maximum Temperature	Vendor to Specify		
		Construction	Vendor to specify		
		Power Wattage	Vendor to specify		
		Power Supply	220-240 Volts 50/60 Hz		
		Warranty	Minimum one year or specify		
		Availability of stocks	Yes/no		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		
3.		Make	Vendor to specify		
		Model	Vendor to specify		

Fibre Extraction Unit - 1 Nos	Country of Origin	Vendor to specify		
	No of Heaters	03 or higher		
	Timer	There should be a digital timer stating from 0 to 90 minutes with acoustic signal at the end		
	Sample positions per run	Number of sample position should be at least 3 per run		
	Sample quantity	should be at least 2-3g		
		Sample removal should be done with an air pump while reagent discharge will be done with a peristaltic pump		
		Temperature should be regulated electronically		
		Back-pressure pump should prevent clogging of crucibles		
		There should be separated outlets for reagents and cooling water		
	Reproducibility (RSD)	should be at least $\pm 1.5\%$		
	System should be supplied with tubes, heat shield, glass crucibles, hot plate, reagent bottle,			

			pincer, crucibles holder etc...		
		Power consumption	Please specify		
		Power Supply	220-230 Volts 50-60 HZ		
		Warranty	Minimum two years or specify		
		Availability in stock	Yes/No		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
4.	Rotary Evaporator With Heating Bath – 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Condenser	Vertical Model		
		Rotary Speed Range -	20 - 280 (rpm) or wider range with a separate speed adjustment knob		
		Lift	Motorized with Speed adjustments		
		Height adjustments :	170 mm or better		

			Auto lift on power cut function		
		Drive Direction Control	Bidirectional & Reversible		
		-			
			Continuous feed should be available		
		Condenser Cooling Area	should be more than 1100 cm ²		
		Bath capacity :	Minimum 5 L		
		Bath inner Material :	SS 1.4301 equal or better		
		Flask Capacity :	2.5 – 4.0 L		
		Heating range:	ambient +5 to 200 °C or for higher temp.		
			± 1 °C or better for water		
		Bath temp. Control :	± 2 °C or better for Oil		
		Temp. Setting resolution:	0.1 °C		
			Touch Screen operations of <ul style="list-style-type: none"> • heating Temperature • Rotation Speed • Vacuum, • Lift Position 		

			<ul style="list-style-type: none"> • and lift Speed 		
			<p>Should have in-built solvent library</p> <p>For ready to go extractions, instrument should be able to automatically set required parameters like temperature, Rotation speeds, time, Etc.</p>		
		Power Supply	230 VAC		
			sensor for vapor detection		
			Should be offered with a vacuum controller		
		Chiller	Should be compact design and should have low noise		
			PID temperature control		
		Temp range	10 °C to room temp		

		Temp setting/display resolution	0.1 °C		
		Temp stability	± 2 °C or better		
		Pump capacity	minimum 15 LPM		
		Cooling capacity	400W or better		
		Refrigerant	R134a		
		Filling volume	8 L or better		
		Vacuum Pump	Should be PTFE coated diaphragm		
			Should be with solvent trap for safety		
		Ultimate vacuum	40 mbar or better		
		Air displacement	38 LPM or better		
		warranty period	minimum 1 year		
		Availability of stock	Yes/No		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
5.	Cabinet Dryer for Food – 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Drying Area	6 m ² or higher		
		Number of Tray	6 -12		
		Size of Tray cm²	Vendor to specify		
		Tray spacing	95-100 mm or better		
		Temperature range	Ambient 90 ⁰ C		
		Heating Capacity	3kW or higher		
		Power Supply	220-230 V/50-60 Hz		
		Warranty	Minimum one year or specify		
		Availability of stock	Yes/No		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
6.	Mini Fruit Pulper- 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Out put Capacity	25-100 kg/hr		
		Screw Diameter	Vendor to specify		
		Screen Diameter	Perforated round hole screen 0.6 mm or please specify		
		Motor	Single Phase		
		Power Wattage	0.5 -1.5 kW or please specify		
		Power Supply	220 -230V/50-60 Hz		
		Warranty	Minimum one year or specify		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
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07.	Motorized Butter Churner- 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Bucket Size	5 liters or higher		
		Time in minute for making butter	Vendor to specify		
		Power wattage (approximate)	Vendor to specify		
		Power Supply	220 -230V/50-60 Hz		
		Warranty	Vendor to specify		
		Availability in stock			
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
08.		Make	Vendor to specify		
		Model	Vendor to specify		

	Hydraulic Press for Fruit Juice Extraction- 1 Nos	Country of Origin	Vendor to specify		
		Capacity	12 Liter or higher		
		Body Type	Inner net barrel, Outer barrel, Pressure plate, pressure column with Hydraulic Jack and the Tray all made of stainless steel		
		Inner barrel height (approximately)	24 cm or specify		
		Outer barrel diameter (approximately)	21 cm or specify		
		Outer bucket height (approximately)	25 cm or specify		
		Jack Type	Hydraulic Jack		
		Warranty	Minimum 01 year or specify		
		Availability in stock	Yes/No		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		
Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
09.	Single Screw Laboratory	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		

	Food Extruder- 1 Nos	Screw Length (L:D) (approximate)	Vendor to specify		
		Speed	2-250 g /min or specify		
		Max Torque	Vendor to specify		
		Maximum Output	1-10 kg/hr or specify		
		Power wattage (approximate)	Vendor to specify		
		Power Supply	220-230 Volts 50-60 HZ		
		Warranty	Minimum 01 year or specify		
		Availability in stock			
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
10.	Orbital Shaker for Flasks- 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Display and Control	Digital LED/Touch Screen		
		Speed Range	15- 525 rpm or specify		

		Vibration Style	Orbital		
		Shaker Controller	Microprocessor Digital LED		
		Shaking Width (mm)	25 mm or specify		
		Speed Controller	Microprocessor		
		Speed Display	Digital LED		
		Shaking Plate	400 X 300 or specify		
		Timer	999 h /999 min/999 sec		
		Power Requirement	220-230 V /50 -60Hz		
		Warranty	Minimum 01 year or specify		
		Availability in stock			
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name & Quantity	Minimum Specifications		Bidder's Response (Yes/No)	If "No" comment/s on the offer
11.	Vacuum Oven - 1 Nos	Make	Vendor to specify		
		Model	Vendor to specify		
		Country of Origin	Vendor to specify		
		Capacity	20 – 30 L or specify		
		Temperature Range	RT + 5-250 ⁰ C or specify		
		Temperature Resolution	1 ⁰ C		

		Temperature Fluctuation	+/- 0.5 ⁰ C		
		Vacuum Degree	Vendor to specify		
		Shelves	2 pieces or specify		
		Time Range	0-999 Min		
		Power Wattage	Vendor to specify		
		Power Supply	220-230 V/50-60 Hz		
		Warranty	Minimum 01 year or specify		
		Availability in stock	Yes/No		
		Minimum days required to deliver from the receiving date of the purchase order	Please specify		
		Any other comments	Please specify		

Item No	Name and Quantity	Minimum Requirement		Bidder's Response (Yes/No)	If "No" comment/s on the offer
12.	Atomic absorption Spectrophotometer - 1 No	Make	Please Specify		
		Model	Please Specify		
		Country of Origin	Please Specify		
		Manufacturer Authorization Letter	Required		

		Year of Manufacture	Please Specify		
		Optics	Double beam		
			sealed optics		
			Reflective system with silica over coating mirrors		
		Monochromator	Wave length range – 180-900 nm or better		
			Automated self-calibration and wavelength selection		
			linear dispersion - 0.5 nm/mm at 200 nm or better		
			Slit settings 0.1, 0.2, 0.5 and 1.0 nm band width		
			Automated slit selection		
		Lamp support	At least six lamps with automated lamp selection with auto aligning facility		
			Facility to analyze minimum of 6 elements in sequence before moving to next sample		
			Automated pre warming of next lamp in the sequence		
			6 separate power lines for each and every lamp		
			Compatible with standard hollow cathode lamps available in the market		
		Back ground corrector	High energy quad line deuterium background correction		
		Internal Air Purge -Fitting	A fitting should be available to supply of clean dry air to enable internal purging of the instrument.		

		Flame atomization system	Universal burner for Air/Acetylene and Nitrous oxide/Acetylene flames		
			UV absorbing window for safety		
			Removable inert spray chamber made of solid, non-corrosive material		
			Adjustable nebulizer with inert capillary and corrosion resistant venturi		
			Automatic flame shutdown and flame sensor for safety		
		Flame control	Safety interlocks for mo+A27+B32:B35+B32:B36+B32:B37		
			pressure relief bung		
			UV and heat absorbing window		
			flame operation		
			oxidant flow and main power		
		Ignition is prevented or flame is shut down if a fault is detected.			
		Software	Windows based software having analytical method information of each element and easy recalling of parameters		
			Automatic setting of flame type and gas flows from stored conditions		
			Analytical results should be presented in spreadsheet format for concentration		
			mean absorbance, mean background absorbance and relative standard deviation, etc.		

		Capable of storage of raw data,		
		signal graphics		
		Method and sequence parameters for all samples in one worksheet file		
	Power supply	220 – 240 V AC, 50/60 Hz		
		All electrical equipment to be supplied should be suitable for use with 220 – 240 VAC, 50/60 Hz		
	Following accessories have to be supplied with the spectrometer	Burner for both Nitrous Oxide/Acetylene and air/acetylene		
		Nitrous Oxide gas cylinder, regulator with heater including fitting proper tubes & connectors		
		Acetylene gas cylinder, regulator including fittings, proper tubes & connectors		
		Silent air compressor		
		Gas Purification System for Acetylene and Air		
		Complete fume extraction system including hood, blower and ducting		
		Hydride vapor generator system with closed cell for Hg,		
		open cell for As & Se		
		cell holder		
		two sets of all different sizes of clear connecting tubes		

		Argon gas cylinder		
		regulator including fittings		
		proper tubes & connectors for Vapor generation assembly		
		Branded core i5 computer and laser printer with necessary original software		
		3 KVA online UPS		
		Hollow cathode lamps for P		
		Hollow cathode lamps for Hg		
		Hollow cathode lamps for Cd		
		Hollow cathode lamps for Na		
		Hollow cathode lamps for K		
		Hollow cathode lamps for Cr		
		Hollow cathode lamps for Fe		
		Hollow cathode lamps for Mg		
		Hollow cathode lamps for Ca		
		Hollow cathode lamps for Cu		
		Hollow cathode lamps for Ag		
		Hollow cathode lamps for Al		
		Hollow cathode lamps for Mn,		
High precision Standard solutions for all the elements mentioned above				
The quoted system should be upgradeable for Graphite Furnace Attachment on future requirements.				

		All requested specifications should be highlight and tag for easy reference		
		Minimum 3 years or more comprehensive warranty from the date of acceptance after satisfactory installation and commission of the instruments.		
		Complete set of operation and maintenance manuals along with procedure manuals (both printed and copy).		
		Installation and commissioning of the instrument should be done by the local agent		
		Complete training for operation, maintenance and calibration of instrument should be provided by the local agent at the installation site.		
		After sales services, calibration and maintenance work should be provided by the local agent.		
		Details of engineers/members who provide after sale service should be provided along with their contact number/s		
		Availability in stock	Yes/No	
		Minimum days required to deliver from the receiving date of the purchase order	Please specify	
		Any other comments	Please specify	

Note: Bidders are requested to fill conformity column starting "Yes" or "No" and please specify the requested information in the last column.

Name of Bidder:

Signature of Bidder:

[Insert complete name of Bidder]

*[Signature of person
signing the Bid]*

Date

[Insert date]

Company Seal:

5. Inspections and Tests

The following inspections and tests shall be performed: *[insert list of inspections and tests if any]*

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: The Vice Chancellor, Eastern University, Sri Lanka
CC 1.1 (m)	The Project Site(s)/Final Destination(s) are mentioned in the table of List of Goods and Delivery Schedule
CC 8.1	For notices , the Purchaser's address shall be: Deputy Director/Procurement, OTS/AHEAD Project, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady E-mail : ddp_ots@esn.ac.lk Tp. No : 0652059393
CC 12.1	Details of Shipping and other Documents to be furnished by the Supplier are required.
CC 15.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: A: For Goods offered within Sri Lanka Payment shall be made in Sri Lanka Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered installed and properly commissioning with the appraisal report of end users that all other contracted Services have been performed.
CC 17.1	A Performance Security: should be submitted within Two week of PO date for validity period of 120 Days (Beneficiary: The Vice Chancellor, Eastern University, Sri Lanka, Bond value: 10% of the total PO Value, from Any bank registered in Sri Lanka.
CC 25.1	The inspections and tests shall be ¹⁴ : required on all component & Services includes use acceptance test at the premises of the EUSL.
CC 25.2	The Inspections and tests shall be conducted by a team appointed by the EUSL
CC 26.1	The liquidated damage shall be 1 % per week from the Contract Price
CC 26.1	The maximum amount of liquidated damages shall be 10 %

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 experience in the field				
6	Manufacturer Authorization				
7	Bid Security				
8	Forms of Bids				
9	Price Schedule				
10	Tender Fee				
11	Financial Statement				
Status					

“Check list must be filled by the Bidder”