



University of Ruhuna
Wellamadama
Matara

June 07, 2022

The Manager

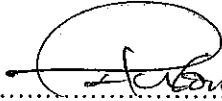
Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment and Other for University of Ruhuna

IFB No -AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS-197

The Chairman, Department Procurement Committee on behalf of the University of Ruhuna now invites sealed bid from you for **Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment and Other** indicated in the annexed bid document.

01. Bidding will be conducted through National Shopping method of procurement.
02. You may obtain further information if any from the **Deputy Director- Procurement (AHEAD Project)** Supplies Branch, University of Ruhuna, Wellamadama, Matara. (T.P 041- 2227027/ Fax No. 041 – 2227027)
03. Bids must be delivered by mail in sealed envelopes addressed to **Director/OTS, AHEAD Project-OTS Office, University of Ruhuna, Wellamadama, Matara** before **02.00 p.m. on June 22, 2022**. Late bids will be rejected.


..... 07/06/2022
Deputy Director- Procurement
AHEAD Project
University of Ruhuna,
Wellamadama,
Matara.

Ms. D. V. L. Krishani
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellamadama, Matara.



UNIVERSITY OF RUHUNA

**PROCUREMENT OF GOODS UNDER
NATIONAL SHOPPING PROCEDURES**

**INVITATION FOR QUOTATIONS
FOR**

**Supply, Delivery, Installation, Commissioning and Testing of
Laboratory Equipment and Other for University of Ruhuna**

IFB No: AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS-197

**Ms. D. V. L. Krishani
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellamadama, Matara.**

Section I. Instructions to Vendors (ITV)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Goods as specified in Section III Schedule of Requirements.
B: Contents of Documents	
2. Contents of Documents	<p>2.1 The documents consist of the Sections indicated below.</p> <ul style="list-style-type: none"> • Section I. Instructions to Vendors (ITV) • Section II. Data Sheet • Section III. Schedule of Requirements • Section IV. Technical Specifications & Compliance with Specifications with price schedule • Section V. Quotation submission Form(s)
C: Preparation of Quotation	
3. Documents Comprising your Quotation	<p>3.1 The Quotation shall comprise the following:</p> <ul style="list-style-type: none"> (a) Quotation Submission Form and the Price Schedules; (b) Technical Specifications & Compliance with Specifications
4. Quotation Submission Form and Price Schedules	<p>4.1 The vendor shall submit the Quotation Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.</p> <p>4.2 Alternative offers shall not be considered. The vendors are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.</p>
5. Prices and Discounts	<p>5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules.</p> <p>5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.</p>

Ms. D. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Welisara, Sri Lanka.

	<p>5.3 The applicable VAT shall be indicated separately.</p> <p>5.4 Prices quoted by the vendor shall be fixed during the vendor's performance of the Contract and not subject to variation on any account. A Quotation submitted with adjustable price shall be treated as nonresponsive and may be rejected.</p>
6. Currency	6.1 The vendors shall quote only in Sri Lanka Rupees.
7. Documents to Establish the Conformity of the Goods	<p>7.1 The vendor shall furnish as part of its quotation the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, "Technical Specifications & Compliance with Specifications".</p> <p>7.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given.</p> <p>7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.</p>
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of sixty (60) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the vendor.
D: Submission and Opening of Quotation	
10. Submission of Quotation	<p>10.1 Vendors may submit their quotations by Registered post in sealed envelopes addressed to the Purchaser and bear the specific identification of the quotation number.</p> <p>10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.</p>
11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and not later than the date and time as specified in the Data Sheet.

12. Late Quotations	12.1 The Purchaser shall reject any quotation that arrives after the deadline for submission of quotations, in accordance with ITV Clause 11.1 above.
13. Opening of Quotations	13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet. 13.2 A representative of the bidders may be present and mark his attendance.
E: Evaluation and Comparison of Quotations	
14. Clarifications	14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of his quotation. Any clarification submitted by a vendor in respect to his quotation which is not in response to a request by the Purchaser shall not be considered. 14.2 The Purchaser's request for clarification and the response shall be in writing.
15. Responsiveness of Quotations	15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received. 15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.
16. Evaluation of quotations	16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive. 16.2 To evaluate a quotation, the Purchaser may consider the following: (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (c) price adjustment due to discounts offered. 16.3 The Purchaser's evaluation of a quotation may require the consideration of other factors, in addition to the Price quoted if stated in Section II, Data Sheet. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods.

Ms. D. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Welisara, Sri Lanka

<p>17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations</p>	<p>17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.</p>
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<p align="center">F: Award of Contract</p>	
<p>18. Acceptance of the Quotation</p>	<p>18.1 The Purchaser will accept the quotation of the vendor whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.</p>
<p>19. Notification of acceptance</p>	<p>19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful vendor, in writing, that his quotation has been accepted.</p>
<p>20. Signing of Contract</p>	<p>20.1 Within (14) days after notification, the Purchaser shall complete the Agreement, and in form the successful Bidder have to sign it. 20.2 Within fourteen (14) days of receipt of such information, the successful Bidder shall sign the Agreement.</p>
<p>21. Performance Security.</p>	<p>21.1 Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder is required furnish the Performance Security in accordance with the CC, using for that purpose the Performance Security Form included in Section VII contract forms, The Employer shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Security of the unsuccessful bidders. 21.2 Failure of the successful Bidder to submit the above mentioned Performance Security or sign the contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the purchaser to be qualified to perform the contract satisfactorily.</p>

Section II: Data Sheet

ITV Clause Reference	
1.1	The Purchaser is: Vice Chancellor Address : University of Ruhuna, Wellamadama Matara.
5.1	If the bidder is allowed to quote for lesser number of items than the total number of items specified, indicate the details.
7.3	Manufacturer's Authorization is required.
11.1	Address for submission of quotations is Director/ OTS, AHEAD Project, University of Ruhuna, Wellamadama, Matara. Deadline for submission of quotations is at 2.00 p.m. on June 22, 2022
13	The Quotations shall be opened at the following address: AHEAD PROJECT, OTS-Office, University of Ruhuna, Wellamadama, Matara.
16	Other factors that will be considered for evaluation are (List and describe the methodology):
Additional Clause	
17. Payment	Payment shall be made within eight weeks after receiving the invoice and other required documents to the Office for each item supplied.
19. Liquidated Damages	The supplier should deliver the items within the delivery period stipulated in the schedule of requirements. The supplier should make payment to the purchaser for each week of delay in delivery, at the rate of 0.5% of the contract sum per each week of delay, up to a maximum of 10% of the contract sum.
21. Performance Security	The supplier should forward performance security of 10% of the total contract price. This should be issued in favor the Vice Chancellor, University of Ruhuna, valid for a one year period from the date of acceptance of the order.

Ms. D. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Wellamadama, Matara.

Section III: Schedule of Requirements

Note:

1. Bidders a) May quote all items.
2. Evaluation will be based on: a) separately.

Item No.	Brief Description of the Goods	Quantity	Specification and Requirements	Delivery Period	Bidder's Offered Delivery Date
1.	LUX meter	01	Annexure I	2 weeks	
2.	Desiccator (medium)	02	Annexure I		
3.	Desiccator (large)	01	Annexure I		
4.	Bench scale max weight 10 kg	01	Annexure II		
5.	Boiling pan	01	Annexure II		
6.	RH meter	04	Annexure III		
7.	Wet and dry bulb thermometer	02	Annexure III & IV		
8.	Soil Core sampler 20 cm	02	Annexure IV & V		

9.	Dean stark apparatus	01	Annexure V	2 weeks	
10.	Dispenser 2-10 ml	01	Annexure VI		
11.	Dissection boards and trays	20	Annexure VI		
12.	Vegetable dryer	04	Annexure VII		
13.	Domestic food processing grinder & blender unit	01	Annexure VII & VIII		
14.	Double burner domestic gas cooker with regulator	01	Annexure VIII		
15.	Soil auger set	02	Annexure IX		
16.	Hemocytometer (Improved Neubauer)	20	Annexure IX		
17.	Hydrometer	01	Annexure X		
18.	Homemade sausage maker with accessories	01	Annexure X		
19.	Solvent storage cabinet	01	Annexure XI		2 weeks

Ms. D. V. L. Krishani
Deputy Director - Procurement
Operations, Technical Secretariat
AHEAD Project
University of Technology
Kharagpur, West Bengal

20.	Laboratory safety glasses	150	Annexure XI	
21.	Ring stand/ring and clamp	10	Annexure XII	
22.	Substrate filling machine	01	Annexure XII	

Place of Delivery: Faculty of Technology, University of Ruhuna, Karagoda Uyangoda, Kamburupitiya and Faculty of Science, University of Ruhuna, Wellamadama, Matara

Section V

Quotation 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:.....

[insert complete name of Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements, the following Goods [insert a brief description of the Goods];
- (c) The total price of our quotation including any discounts offered is: [insert the total quoted price in words and in figures];
- (d) 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;
- (e) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed:.....

[insert signature of Person whose name and capacity are shown]

Name:

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

Dated:

Ms. D. V. L. Krishani
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellamadama, Matara.

PRICE SCHEDULE –IV

**Contract: Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment and Other
IFB No - AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS-197**

Item. No.	Description	Qty.	Unit Rate. (Without VAT) (Rs. & Cents)	VAT (Rs. & Cents)	Total Amount (With VAT) (Rs. & Cents)
1.	LUX meter	01			
2.	Desiccator (medium)	02			
3.	Desiccator (large)	01			
4.	Bench scale max weight 10 kg	01			
5.	Boiling pan	01			
6.	RH meter	04			
7.	Wet and dry bulb thermometer	02			
8.	Core sampler 20 cm	02			
9.	Dean stark apparatus	01			

10.	Dispenser 2-10 ml	01			
11.	Dissection boards and trays	20			
12.	Vegetable dryer	04			
13.	Domestic food processing grinder & blender unit	01			
14.	Double burner domestic gas cooker with regulator	01			
15.	Soil auger set	02			
16.	Hemocytometer (Improved Neubauer)	20			
17.	Hydrometer	01			
18.	Homemade sausage maker with accessories	01			
19.	Solvent storage cabinet	01			
20.	Laboratory safety glasses	150			
21.	Ring stand/ring and clamp	10			
22.	Substrate filling machine	01			

Ms. D. V. L. Krishani
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellington, Maldives.

We agree to supply, delivery, installation and testing the above goods in accordance with the technical specifications for a total contract price of Rupees..... (amount in figures) (amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the warrantee/guarantee specified shall apply to the offered goods.

.....
Sign and Seal **Name of the Bidder** **Date**

Lux Meter

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Display	3 ½ - digit 18 mm (0.7")LCD		
Ranges	1 to 50,000 LUX		
Over-input	Indication of "1"		
Sampling Time	0.5 second		
Repeatability	±2%		
Temperature characteristic	±0.1%/0 C		
Accuracy	±4%rdg±0.5%f.s(±5%rdg±10dgt as >10,000 LUX range)		
Dimension	Approx.116x70x29 mm		
Weight	Approx.200 g (including battery)		
Operating Humidity	Less than 70 % R.H.		
Operating Temperature	0°C 400°C ? 10°C - 400°C		
Extra functions	Data-Hold function for holding measuring values		
Supply ,Installation, commissioning and testing	Yes		
Make and country of origin	Equivalent to Italy, Germany, Japan and Europe		
Warranty(if any condition please specify)	2 years comprehensive		
Delivery	Delivery to the dept. of Bio systems Technology required		

Ms. D. M. L. Krishani
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellamadama, Matara.

Desiccator (Large)

Specification	Requirement	Bidders' Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Country of origin	Please specify		
Size	250 mm or higher (I.D.)		
Material	Borosilicate		
Sample plate	Porcelain		
Color	Transparent		
General Features	Lid with an airtight seal Non-Vacuum type		

Desiccator (Medium)

Specification	Requirement	Bidders' Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Country of origin	Please specify		
Size	100 to 200mm (I.D.)		
Material	Borosilicate		
Sample plate	Porcelain		
Color	Transparent		
General Features	Lid with an airtight seal Non-Vacuum type		

Bench scale Electronic (Weight = 10 – 15 kg)

Specification	Requirement	Bidders Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Certification	MUSSD		
accuracy	Please specify		
Capacity	10 – 15 Kg		
color	Please specify		
Display type	Digital		
Dimensions (L X W X H cm)	38 x47 x 34 approximately		
Platform	Stainless Steel		

Ms. D. V. L. Krishan
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University Of Ruhuna
Wellamocana, Matara.

Boiling pan

Specification	Requirement	Bidders compliance	
		Yes/ No	If "No" indicate your offer
Capacity	5 l (Five Litres)		
Material	Stainless Steel		
Dimensions	Please specify(could be used with domestic Gas cooker)		
Outer coating	Please specify		
Inner coating	Please specify		
Handles	Metal		
Handle covering	Please specify		
Lid	Tempered Glass/ Pyrex		

RH Meter

Specification	Requirement	Bidders Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Humidity range	0-100 % RH		
Humidity accuracy	±2%RH(at 25°C, 20%~80%RH)		
Temperature range	-40 to 105°C(-40 to 221F)		
Temperature Accuracy	±0.5°C/±0.9F(at25°C) ±0.8°C/±1.5F		
Dew point Temperature	-40 to 105° C		
Wet Bulb Temperature	0 to 80°C		
Resolution	0.01% RH, 0.01°C/0.01F.		
Response Time	0.01% RH, 0.01C/0.01F.		
Battery Type	Please specify		
Operating Temperature	Please specify		
Storage Temperature	Please specify		
Warranty	Please specify		
Options	Backlight and Max value, Auto Power off (Disable sleep mode and Data Hold Function).		
Delivery	Delivery to the Dept. of Bio systems Technology is required.		

Ms. D. V. L. Krishan
Deputy Director - Procurement
Operations Technical Secretariat
AICAD Project
University Of Ruhuna
Warakumbura, Sri Lanka

Wet and dry bulb thermometer

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Internationally recognized brand		
Country of Manufacture	Please specify		
Year of manufactured	2018 or later		
Model	Please specify		
Year of model introduction	Please specify		
Measuring range	-20 to 120 °C		
Measuring element	Mercury or red alcohol		
Material	Glass		
Accuracy	0.5%		
Resolution or scale	0.5 °C		
Length	152 mm		
Operational environment	Should function without any defect under the climatic condition prevailing in the Faculty environment (Kamburupitiya) during the warranty period.		
Warranty	1 year		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		
Maximum time taken to repair in a breakdown during warranty period	Please specify. A suitable replacement should be provided if repairing time for any brake down period exceeds agreed period during warranty. If above time duration exceed, a penalty of Rs. 100.00 per day will be applied and		

	deduct from your retention for the breakdown period. Please specify any deviation if applicable.		
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Soil core sampler kit

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Internationally recognized brand.		
Country of Manufacture	Please specify		
Model	Please specify		
Year of Manufacture	2017 or later		
Quantity	01		
Drills	Edelman-drills universal drills Riverside drill Gravel drill Absorbent drill Stab drill		
	Sand pump Universal removable handle Extension sticks for extension of 1 m each Accessory set, measuring tape, nylon cable, gloves, etc., cleansing brush, everything easy to distinguish in an Aluminum box.		
length	50 cm or please specify about the maximum length		
Diameter	30 mm or please specify.		
Depth	Up to 5 m or please specify		
Warranty	1 year		
Delivery	Delivery to the Dept. of Biosystems		

	Technology is required.		
Number of free services per year, during the period of warranty	Please specify		
Operational environment	Should function without any defect under the climatic condition prevailing in the Faculty environment (Kamburupitiya) during the warranty period.		

Dean Stark Apparatus

Specification	Requirement	Bidders Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Material	Glass - borosilicate		
Type	For light entrainers ,complete set-up		
Receiver capacity	25 ml		
Graduation	0.2 ml		
Socket size	19/26		
Cone size	24/29		
Temperature	Flask Heater with Rheostat Adjustments		

Dispenser 2 - 10 ml

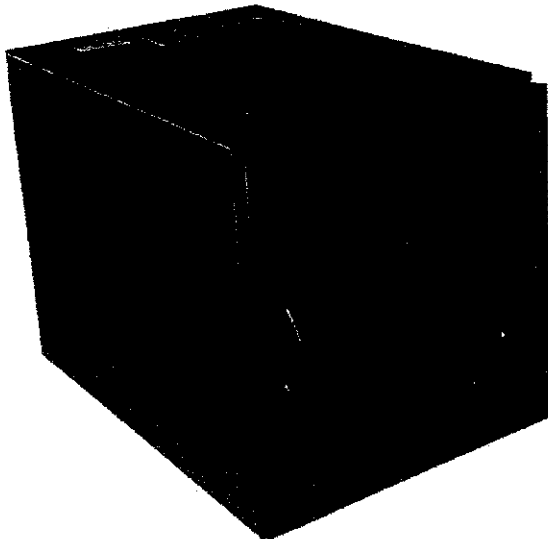
Specification	Requirement	Bidders Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
material	Plastic and glass		
Features	Autoclavable ; Bottle top dispenser		
Chemical resistancy	Please specify		
Adapters	GL 25, GL 28/ S28 GL 32, GL 38, S 40 , GL 45		
calibration	Please specify		
Liquid discharge	With a valve and safety ball		
Discharge tube	Without recirculation valve		
viewport	large		
Dispensing point	Hinged screw cap		
Volume selection	Interior scalloped tract		
Filling valve	Please specify		
Filling tube	Telescoping type		
Warranty	Please specify		

Dissection Boards and Trays

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Please specify		
Country of Manufacture	Please specify		
Material	HDPE		
Color	White		
Length	30 cm or better		
Width	25 cm or better		
Type	Dissecting board		
Thickness	1.6 cm		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

Portable Vegetable Dryer

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Please specify		
Country of Manufacture	Please specify		
Model	Please specify		
Type	Dryer/ Dehydrator		
Material	Food grade stainless metal		
Capacity	5-10 Kg		
No. of trays	6-10		
Voltage	220 V		
Temperature range	20-100 °C		
Adjustable timer	Required		
Product dimension	Approximately 300*295*235mm		
Weight	20-40 Kg		
Portability	Required		
Warranty	Please specify		
Display	LED		
Delivery	Delivery to the Dept. of Biosystems Technology, Faculty of Technology, University of Ruhuna is required.		



Ms. D. L. Krishani
 Deputy Director, Procurement
 Operations Technical Secretariat
 AHE 40 Project
 University of Ruhuna
 Welimadama, Matara.

Domestic food processing grinder & blender unit

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Internationally recognized brand		
Country of Manufacture	Please specify		
Year of manufactured	2018 or later		
Model	Please specify		
	Year of model introduction		
Operation Voltage	220 – 240 V single phase supply		
Type	Laboratory type		
Power	500 W motor		
Speed Range	12000-18000 rpm		
Features	30 minutes nonstop rating		
	shock proof abs body		
	3 speed with pulse		
	overload prevention mechanism		
Operational environment	Should function without any defect under the climatic condition prevailing in the Faculty environment (Kamburupitiya) during the warranty period.		
Warranty	Please specify		
Delivery	Delivery to the Dept. of		

	Biosystems Technology is required.		
Number of free services per year, during the period of warranty	Please specify		
Maximum time taken to repair in a breakdown during warranty period	Please specify. A suitable replacement should be provided if repairing time for any brake down period exceeds agreed period during warranty. If above time duration exceed, a penalty of Rs. 100.00 per day will be applied and deduct from your retention for the breakdown period. Please specify any deviation if applicable.		

Ms. D. V. L. Krishani
 Deputy Director, Procurement
 Operations Technical Secretariat
 AIBAO Project
 University Of Ruhuna
 Wellamadama, Matara.

Double burner domestic gas cooker with a regulator

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	A recognized brand.		
Country of Manufacture	Please specify		
Year of Manufactured	Please specify		
Material	Stainless steel		
Model	Double burner		
Gas type	Liquefied gas		
Features	Portable and table top		
Regulator	Required		
Regulator type	LPG Compact Low-Pressure Gas Regulator		
Burner type	Brass / Stainless steel		
Warranty	One year		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

Soil auger

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Please specify		
Country of Manufacture	Please specify		
Quantity	01		
Drill Type	Post hole type		
Drill Length	Minimum 30 cm		
Drill Diameter	Minimum 70 mm		
Sampler position	vertical		
Handle Type	" T " type handle enclosed both ends with rubber gloves		
Handle Length	Minimum 30 cm		
Maximum sampling depth	More than 80 cm		
Product material	Stainless Steel		
Warranty	1 Year		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

Ms. D. A. Prichani
 Deputy Director - Procurement
 Specific Technical Specialist
 - University of Ruhuna
 Wellamadama, Matara.

Hemocytometer(Improved Neaubeur)

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Internationally recognized brand.		
Country of Manufacture	Please specify		
Model	Please specify		
Year of Manufactured	Please specify		
Operation mode	Manual		
Sample mode	Whole blood		
Number of Squares	1 mm squares		
Measurement range	1 mm		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

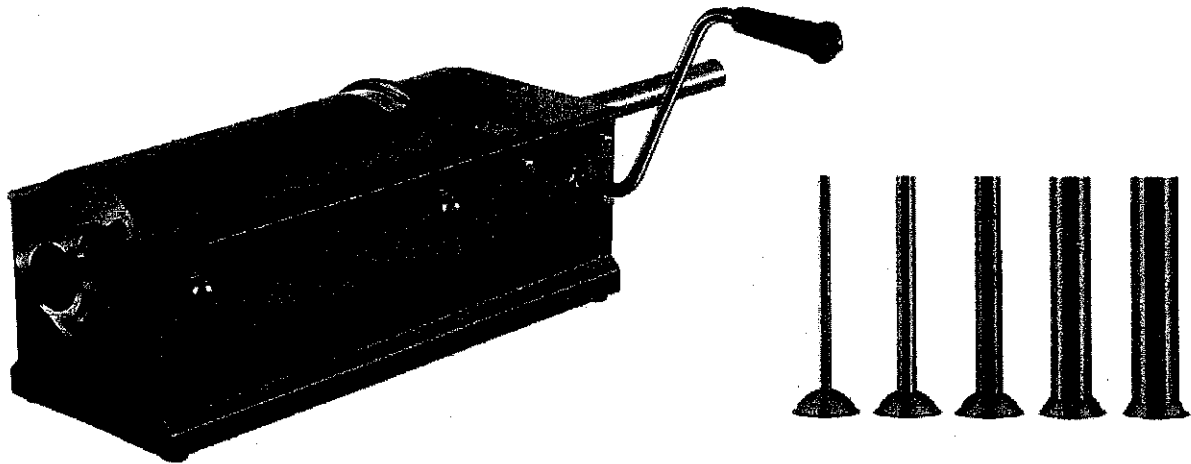
Hydrometer

Specifications	Requirement	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Type	Specific Gravity Hydrometer for light liquids		
Country of manufactured	Please specify		
Brand	Internationally recognized brand		
Range	0.8000-0.910 mm		
Resolution	Please specify		
Accuracy	Please specify		
Length	12" (305 mm)		
Calibration	Please specify		
Warranty	Please specify		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

- Mr. D. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Welamadama, Matara.

Homemade sausage maker with accessories

Specification	Requirement	Bidders Compliance	
		Yes/No	If "no" please indicate your offer
Manufacturer	Please specify		
Material	Stainless steel – Food grade		
Type	Filling Machine		
Capacity	3L-5L		
Operation	Manual		
Installation & Warranty	Please specify		
Type	Horizontal		
Accessories	Filling tubes (min 2) tube dimensions (10-30mm)		
Purpose	Sausage filling		
Certifications	Please specify		



1. The bidder shall provide a list of accessories and their specifications.
 2. The bidder shall provide a list of certifications and their details.
 3. The bidder shall provide a list of manufacturers and their details.
 4. The bidder shall provide a list of materials and their details.
 5. The bidder shall provide a list of types and their details.

Flammable storage cabinet (double wall construction)-	Bidders response	
	Yes/No	Remarks
Country of origin - Specify		
Country of Manufacture - Specify		
Size 1200 mmx 650 mm x 2000 mm (L x Dx H)		
Cabinet should be made of pickled steel, painted with epoxy acid-proof powders at high temperature. Thickness of painting from a minimum of 60µm as per UNI EN ISO 9001:2008 procedure or similar standard		
Cabinet should comply with EN 14470-1, EN 16121:2013/A1:2017, EN 16122:2012 or similar international standards.		
Cabinet should be of externally fully sealed monolithic construction with double cases (internal and external) and with fireproof insulation made of highly fire-resistant material.		
Internal body panels should be made of anti-scratch material, resistant to corrosive products.		
Cabinet doors should be self-closing type and with automatic return at every opening.		
Cabinet should have self-closing type doors which automatically close if external temperature reaches >50 °C		
Cabinet should be with natural internal ventilation system for vapours, equipped with two certified security valves for air recycling with automatic closure at 70 ± 10° C.		
Cabinet should be equipped with at least 3 height adjustable shelves preferably made of electrogalvanized steel painted with epoxy acid-proof powders. Tray-shaped shelves which can collect any liquid spillage of breakages are preferred. Shelves should be removable and adjustable and with anti-falling security lock system. Loading capacity of a shelf should be around 75kg		
Cabinet should be equipped with watertight bottom collecting sump made of non-corrosive material preferably electrogalvanized steel painted with epoxy anti-acid powders or plastic lamination.		
Cabinet should be with levelling feet for correct balance adjustments.		
Cabinet should have provisions to accommodate activated charcoal filters and exhaust fan.		
Cabinet should have Anti-spark hinges and grounding connection to discharge build-up of static electricity.		
Cabinet should be lockable preferably with cylinder locking.		
Warranty- please specify		

Ms. D. V. L. Krishna
Deputy Director - Finance and
Operations Training Material
MIRA Project
University of Mysore
Wellcamp, Mysore.

Laboratory safety glasses

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Internationally recognized brand		
Country of Manufacture	Please specify		
Standard	ANSI/ISEA Z87		
Type	Spectacles type with adjustable arms		
Product materials	Please specify		
Features	Durable plastic construction, Universal fit, Ventilated design to reduce chance of fogging.		
Delivery	Delivery at the Dept. of Biosystems Technology is required.		

Ring stand / ring and clamp

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "no" indicate your offer
Manufacturer	Please specify		
Country of Manufacture	Please specify		
Material	Stands – enamel stands Rings – Zinc plated steel Clamp – Aluminum screw clamp		
Dimensions	120x200x500 mm or better		
Ring diameter	89 mm or better		
Features	Corrosion resistant		
Delivery	Delivery to the Dept. of Biosystems Technology is required.		

Mr. D. V. L. Kirichani
Deputy Director - Procurement
Operations, Financial Secretariat
M-AD Project
University Of Ruhuna
Wellamadama, 81100

Substrate filling machine

Specification	Requirement	Bidders compliance	
		Yes/No	If "No" mention your indication
Manufacturer	Please specify		
Country of manufacture	Please specify		
Model	Please specify		
Type	Filling machine		
Output Capacity	100 – 300 bags/hour		
Manufactured Material	Metal		
Dimension (L*W*H)	Please specify		
Bag width	7*14 inches (Polythene gauge: 200 mm)		
Filling material	Sawdust, straw		
Power supply	220 V		
Purpose	Mushroom grow bag filling		
Weight	30 – 50 Kg		
Material	Carbon steel		
Warranty	Please specify		
Accessories	Please specify		

