



**Faculty of Agriculture
University of Ruhuna
Mapalana
Kamburuptiya**

20.12.2021

The Manager

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Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment

IFB No: RU/AG/Q/E/2021/216

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**.

01. Indicated in the annexed bid document.
02. Bidding will be conducted through national Shopping method of procurement.
03. You may obtain further information if any from the **Senior Assistant Bursar, Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya**.
T/P 041- 2292200 / Fax No. 041 – 2293580
e-mail :sab@agri.ruh.ac.lk
04. Bids must be delivered by Registered post in sealed envelopes addressed to **Senior Assistant Bursar, Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya, before 2.00pm on 05.01.2022**. Late bids will be rejected.
05. This contract is subject to
 - I. Providing of Performance Security of 10% of the total contract price in accordance with the format bidding documents valid for a relevant period format given by us and issued in favor of the Vice Chancellor, University of Ruhuna
 - II. Entering into a formal agreement with the University of Ruhuna.

.....
Senior Assistant Bursar
Faculty of Agriculture
University of Ruhuna

20.12.2021
Chintha Batuwita
Senior Assistant Bursar
Faculty of Agriculture
University of Ruhuna



UNIVERSITY OF RUHUNA

**PROCUREMENT OF GOODS UNDER
NATIONAL SHOPPING PROCEDURES**

**INVITATION FOR QUOTATIONS
FOR**

**SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND TESTING OF
LABORATORY EQUIPMENT FOR THE FACULTY OF AGRICULTURE,
UNIVERSITY OF RUHUNA
MAPALANA, KAMBURUPITIYA.**

IFQ No: RU/AG/Q/E/2021/216

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 • 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</p>

	<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 non-responsive 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 Ninety (90) 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 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	<p>13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet.</p> <p>13.2 A representative of the bidders may be present and mark his attendance.</p>
E: Evaluation and Comparison of Quotations	
14. Clarifications	<p>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.</p> <p>14.2 The Purchaser's request for clarification and the response shall be in writing.</p>
15. Responsiveness of Quotations	<p>15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received.</p> <p>15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.</p>
16. Evaluation of quotations	<p>16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive.</p> <p>16.2 To evaluate a quotation, the Purchaser may consider the following:</p> <ul style="list-style-type: none"> (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (c) price adjustment due to discounts offered. <p>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. .</p>
17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	<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>

F: Award of Contract

18. Acceptance of the Quotation	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.
19. Notification of acceptance	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.

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 Finance Branch, Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya. Deadline for submission of quotations is at 2.00 p. m. on 05.01.2022
13	The quotations shall be opened at the following address: Finance Branch, Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya
16 ¹	Other factors that will be considered for evaluation are (List and describe the methodology):
Additional Clause	
17. Payment	Payment shall be made within four weeks after receiving the invoice for each item supplied.
18. 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.

Section III: Schedule of Requirements

Note:

1. Bidders
 - a) May quote whole items
2. Evaluation will be based on:
 - a) Each item Separately

Item No.	Brief Description of the Goods	Specification and Requirements	Qty.	Delivery Period in Days from issue of Purchase Order	Place of Delivery	Installation and warranty Requirements if any
01	Fume Hood	See Annex - 1	01 No.	02 Weeks	Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya	Warranty required (Mention Here)
02	Analytical Balance	See Annex - 2	01 No.	-do-	-do-	.....
03	Distilled Water Plant	See Annex - 3	01 No.	-do-	-do-	.....
04	Top Loading Balance	See Annex - 3	01 No.	-do-	-do-	.....
05	Dew Point Potentiometer	See Annex - 4	01 No.	-do-	-do-	.....
06	Soil Moisture Meter	See Annex - 5	01 No.	-do-	-do-	.....
07	Digital Soil Thermometer	See Annex - 6	01 No.	-do-	-do-	.....
08	Benchtop PH Meter	See Annex - 6	01 No.	-do-	-do-	.....
09	Sieves	See Annex - 7	01 No.	-do-	-do-	.....
10	Microbial Test Kit	See Annex - 7	01 No.	-do-	-do-	.....
11	Water bath	See Annex - 8	01 No.	-do-	-do-	.....

➤ Please mention your delivery period -

➤ If you not mention the delivery period earliest delivery period is 02 weeks accepted as per the bidding document.

.....

Signature

.....

Rubber Stamp

.....

Date

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:

PRICE SCHEDULE

Item Name:

Item No.	Description	Qty.	Unit Rate. (Without VAT) (Rs. & Cts.)	Total Amount (Without VAT) (Rs. & Cts.)	VAT (Rs. & Cts.)
01	Fume Hood	01 No.			
02	Analytical Balance	01 No.			
03	Distilled Water Plant	01 No.			
04	Top Loading Balance	01 No.			
05	Dew Point Potentiameter	01 No.			
06	Soil Moisture Meter	01 No.			
07	Digital Soil Thermometer	01 No.			
08	Benchtop PH Meter	01 No.			
09	Sieves	04 Nos. 05 Nos. 02 Nos. 02 Nos.	70 mesh 2 mm 1mm 0.5mm		
10	Microbial Test Kit	01 No.			
11	Water Bath	01 No.			

We agree to supply, delivery, installation & maintenance 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.

.....
Signature & Seal of the Bidder	Name of the Bidder
	Date

2. 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)]

Please note that all the categories under the Bidders Compliance **should be filled**. Instead of just referring the user manual/specification bulletin only will cause the bids to be rejected.

Annex 01

Item No. 01

Item: Fume Hood

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Air flow velocity	0.3-0.8 m/s			
Maximum opening	Above 700 mm			
Front window	Tempered / roughened safety glass door sliding upward, height adjustable			
Front window operation	Manually or motorized operation			
Standard accessory	LED lamp			
Exhaust system	Chemical corrosion resistant			
LED lamp	8-12 W			
Work surface height	850-950 mm			
Dimensions of the inner cabinet	(1000-1500)×(900-1000)×(1000-1200) mm			
Warranty	Three (03) Years comprehensive			

Chintha Batuwita
Senior Assistant Bursar
Faculty of Agriculture
University of Ruhuna
Mapalana, Kamitupitiya.

Annex 02

Item No. 02

Item: Analytical Balance

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Weighing range	Max 200-250 g			
Diameter of weighing plate	70-90 mm			
Accuracy	0.1 mg			
reproducibility	0.1 mg			
Calibration	External calibration (including 200g calibration weight) or internal Auto calibration			
Display	LCD display with backlight function			
Draft shield	Included			
Warranty	Three (03) Years comprehensive			

Chintha Baturina
Senior Assistant Lecturer
Faculty of Agriculture
University of Ruhuna
Mapalana, Kamapuripitiya.

Annex 03

Item No. 03

Item: Distilled Water Plant

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Output	4L/hour			
Reservoir capacity	20 L with a at the bottom			
Power	220-240 V, 50/60 Hz			
Output conductivity (using raw water)	0.3-3 μ S/cm			
pH of the output	5.5-6.5			
Warranty	Three (03) Years comprehensive			

Item No. 04

Item: Top Loading Balance

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Weighing Range	Maximum 200g – 250g			
Accuracy	Read-Out for two decimal points			
Calibration	External Calibration (including 200g calibration weight) or internal auto calibration			
Display	LCD display with back-light function			
	For 240V 50Hz			
Warranty	Two (02) Years Comprehensive			

Item No. 05

Item: Dew Point Potentiamter

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Measurement Range	-0.1 to -300 MPa			
Accuracy Range:	± 0.05 MPa* from 0 to -5 MPa, 1% from -5 to -300 MPa			
Measurement Time For Soil Samples:	Precise mode: 10-15 minutes Fast mode: <5 min			
Temperature Control:	15 to 40 °C (± 0.2 °C)			
Sensor Type:	1) Chilled-mirror dewpoint sensor, 2) Infrared temperature sensor			
Operating Environment:	5 to 40 °C			
Sensor Type:	Frequency domain with calibrated ceramic discs, thermistor			
Operating Environment:	$\leq 0^{\circ}\text{C}$ to $>45^{\circ}\text{C}$			
Weight:	<5 kg (instrument weight)			
Data Communications:	RS232A compatible, 8-data bit ASCII code, 9600 baud, no parity, 1 stop bit.			
Power:	Equivalent to be used in 110 VAC to 220 VAC, 50/60 Hz			
Display:	Alphanumeric LCD with backlighting			
Interface Cable:	Standard RS232 serial cable (included)			
Warranty:	One (01) Year comprehensive			

Item No. 06

Item: Soil Moisture Meter

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Measurement Principle	Time - domain reflectometry			
Measurement Units	should be Percent Volumetric Water Content (VWC)			
Resolution should be	0.1% VWC			
Accuracy:-	+ - 3.0% VWC with Electrical Conductivity (EC) < 2 mS/cm			
TDR Rods - approximately 1.5in (3.8cm) 2 Rods	available			
TDR Rods - approximately 3in (7.5cm) 2 Rods	available			
TDR Rods - approximately 4.8in (12cm) 2 Rods	available			
TDR Rods - approximately 8in (20cm) 2 Rods	available			
Pilot-Hole Maker For TDR Meter rods	included			
Battery/Life	4 AA lithium batteries; a approximately 100,000 readings without backlight about 12-month battery life			
Battery	Should be included			
Display	LCD/LED			
Carrying case	Hard-sided carrying case			
Data Logger :	50,000 measurements			
EC – Range:, Resolution:, Accuracy:	0 to 5 mS/cm 0.01mS/cm +/- 0.1 mS/cm			
Temperature Range: -, Resolution: Accuracy:	30°C to 60°C 0.1° +/- 1°C			
Warranty	One (01) Year Comprehensive			

Item No. 07**Item: Digital Soil Thermometer****Quantity : 01 No.**

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Display	Digital			
Measurement Range	-20 0C to :>200 0C			
Type	Thermocouple			
	Stainless Steel Probe			
Probe length	> 20cm			
Accuracy	±10C or more accuracy			
Warranty	One (01) Year Comprehensive			

Item No. 08**Item: Benchtop PH Meter****Quantity : 01 No.**

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Measuring range	0-14.00 pH			
Resolution	0.1/0.01 pH			
Accuracy	±0.01 pH ±1 digit			
Stability	±0.01 pH ±1 digit / 3 hours			
Calibration	1 – 3 points auto calibration			
Temp. compensation	0-100 °C (32-212 °F) auto/manual			
Warranty	One (01) Year comprehensive			

Annex 07

Item No. 09

Item: Sieves (22cm in diameter)

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
22 cm in diameter				
Stainless Steel				

Item No. 10

Item: Microbial Test Kit

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Analysis method	Colorimetric measurement			
Availability of individual packets	one packet per sample			
Minimum sample volume	should be less than 100 ml			
Incubation time	not more than 48 hours			
Incubation temperature	between 35 – 40 Celsius			
Individual vials	for 100 sample tests			
Equipment type	Portable			
Warranty	Two (02) Years Comprehensive warranty			

Chintha Batuwita
Senior Assistant Ec
Faculty of Agriculture
University of Kelaniya
Mapalana, Kelaniya.

Annex 08

Item No. 11

Item: Water Bath

Quantity : 01 No.

Specifications	Requirements	Bidders compliance		If "No" indicate your offer
		Yes	No	
Make				
Model				
Country of Origin / Manufacture				
Tank:	High grade stainless steel tank			
Temperature range:	Ambient to 100°C			
Operating Voltage:	230AC, 50 Hz			
Working capacity:	12 holes with concentric rings			
Warranty	One (01) Year Comprehensive			

Chintha Batuwita
 Senior Assistant Bursar
 Faculty of Agriculture
 University of Ruhuna
 Mapalana, Kamburupitiya.