



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

02.08.2021

The Manager

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Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Desktop Computers, Laptop Computers, Laser Printers, Scanners & UPS

IFB No: RU/AG/Q/E/2021/142

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 Desktop Computers, Laptop Computers, Laser Printers, Scanners & UPS**

- 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 : abagri@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 17.08.2021.** 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.

.....

02.08.2021
Senior Assistant Bursar
Faculty of Agriculture
University of Ruhuna

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
DESKTOP COMPUTERS, LAPTOP COMPUTERS, LASER PRINTERS, SCANNERS**

& UPS FOR THE FACULTY OF AGRICULTURE,

UNIVERSITY OF RUHUNA

MAPALANA, KAMBURUPITIYA.

IFQ No: RU/AG/Q/E/2020/142

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.

<p>13. Opening of Quotations</p>	<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>
<p>E: Evaluation and Comparison of Quotations</p>	
<p>14. Clarifications</p>	<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>
<p>15. Responsiveness of Quotations</p>	<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>
<p>16. Evaluation of quotations</p>	<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>
<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>

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 17.08.2021
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	Desktop Computers (i5)	See Annex - 1	05 Nos.	02 Weeks	Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya	Warranty required (Mention Here)
02	Desktop Computers (i7)	See Annex - 2	01 No.	-do-	-do-
03	Laptop Computers (i7)	See Annex - 3	08 Nos.	-do-	-do-
04	Laptop Computers (i5)	See Annex - 4	01 No.	-do-	-do-
05	Laptop Computers (i3)	See Annex - 5	02 Nos.	-do-	-do-
06	Laser Printers	See Annex - 6	06 Nos.	-do-	-do-
07	Scanners	See Annex - 7	02 Nos.	-do-	-do-
08	UPS (650VA)	See Annex - 8	11 Nos.	-do-	-do-
09	UPS (1.2KVA)	See Annex - 9	09 Nos.	-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	Desktop Computers (i5)	05 Nos.			
02	Desktop Computers (i7)	01 No.			
03	Laptop Computers (i7)	08 Nos.			
04	Laptop Computers (i5)	01 No.			
05	Laptop Computers (i3)	02 Nos.			
06	Laser Printers	06 Nos.			
07	Scanners	02 Nos.			
08	UPS (650VA)	11 Nos.			
09	UPS (1.2KVA)	09 Nos.			

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)]

Type II

Annex - 1

Features	Required Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
Brand	(Branded)		
Model	(Branded)		
Country of Origin and Country of Manufacture / assembly	(Branded)		
Processor	Intel® Core i5-9400 9th Generation Processor 2.9 GHz / AMD Ryzen™ 5 PRO 3400G Processor 4.20GHz Or better		
Clock Speed	2.9GHz Actual clock speed or Higher		
Cache	9 MB L2 cache or Higher		
Form Factor	Business Desktop		
Chassis	Mini/Micro tower business desktop casing with locking facility (mini padlock with 3 keys should be supplied)		
Chipset	Intel Express B / H Business Chipset/ AMD B Chipset or Higher (Specify)		
Mother board	Should be the same quoted brand (Serial number of the CPU should show in BIOS)		
Memory	8 GB DDR 4 2666MHz or higher		
Maximum memory	Upgradeable to Maximum of 16 GB RAM		
Memory Dims	2 Dims		
Hard disk	1TB Serial ATA Minimum		
Keyboard	128 Key Standard Keyboard to be as same brand in English		
Mouse	Two buttons with scroll wheel optical Mouse with mouse pad		
Optical drive	SATA DVD drive (+/-RW)		
Expansion slots	Minimum 2 Expansion slots including 1 Nos PCI x 16, (Specify)		
Video controller	Intel UHD Graphics 630 / Radeon™ Vega 11 Graphics		
Network interface	Gigabit Ethernet network Interface card (10/100/1000) Internal Wi-Fi card - USB Dongle is not accepted		
I/O ports	Minimum 8 USB Ports at least 2 Nos 3.1 USB, Including Minimum, 1 HDMI Port 1, VGA Port		
Power Supply	250W PFC, auto-sensing, 80 PLUS# Platinum, or higher Power Supply		
Operating system	Windows 10 Pro / Linux / Ubuntu18.04+		

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Application Software	Sinhala and Tamil Unicode Software Commercial Anti-virus with license for 3 years		
Product certifications of the quoted Model	Product certifications of the quoted Model Energy Star or any other equal certificate to Energy Star, issued by authorized body who has the authority to do so, (Documentary evidence must be provided) Valid ISO 9001: 2015, and ISO 14001:2015 Offered Model must possess FCC or CE or Equal		
Display	19.5" wide screen Color LED Monitor supporting resolutions WXGA wide screen or better, Should be the same brand of the Desktop		
Manufacture Experience	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand. (Proof document should be attached)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor and Parts) excluding consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details and Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	Should be fix a sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period In all computers		
Brochure	Supplier should provide brochure of make/model quoted as per above specification		

Type III

Features	Required Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
Brand	(Branded)		
Model	(Branded)		
Country of Origin and Country of Manufacture / assembly	(Branded)		
Processor	Intel® Core i7-9700 9th Generation Processor 3.0 GHz / AMD Ryzen™ 7 PRO 3700 Processor 3.60GHz Or better		
Clock Speed	3.0. GHz Actual clock speed or Higher		
Cache	12 MB L2 cache or Higher		
Form Factor	Business Desktop		
Chassis	Mini/Micro tower business desktop casing with locking facility		
Chipset	Intel Express B / Q Business Chipset / AMD B Chipset or Higher (Specify)		
Mother board	Should be the same quoted brand (Serial number of the CPU should show in BIOS)		
Memory	16 GB DDR 4 2666MHz or higher		
Maximum memory	Upgradeable to Maximum of 32 GB RAM		
Memory Dims	2 Dims		
Hard disk	1TB SATA HDD+256GB M2 SSD		
Keyboard	128 Standard same brand keyboard		
Mouse	Two buttons with scroll wheel optical Mouse with pad		
Optical drive	SATA DVD drive (+/-RW) -Optional		
Expansion slots	Minimum 2 Expansion slots including 1 Nos PCI x 16, (Specify)		
Video controller	Intel UHD Graphics 630 / Radeon™ Vega 11 Graphics		
Network interface	Gigabit Ethernet network Interface card (10/100/1000) Internal Wi-Fi card - USB Dongle is not accepted		
I/O ports	Minimum 8 USB Ports at least 2 Nos 3.1 USB, Including Minimum, 1 HDMI Port 1, VGA Port		
Operating system	Windows 10 Pro / Linux / Ubuntu 18.04+		
Application Software	Sinhala and Tamil Unicode Software Commercial Anti-virus with license for 3 years		
Product certifications of the	Product certifications of the quoted Model Energy Star or any other equal certificate to		

quoted Model	Energy Star, issued by authorized body who has the authority to do so, (Documentary evidence must be provided) Valid ISO 9001: 2015, and ISO 14001:2015 Offered Model must possess FCC or CE or Equal		
Display	19.5" wide screen Color LED Monitor supporting resolutions WXGA wide screen or better, should be the same brand of the Desktop		
Manufacture Experience	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand. (Proof document should be attached)		
Manufacturer authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor and Parts) excluding consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details and Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	Should be fix a sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period In all computers		
Brochure	Supplier should provide brochure of make/model quoted as per above specification		

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

Laptop Computer - i7

Type III

Annex - 3

Features	Required Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
Make and Model	(Branded)		
Country of manufacture	(Branded)		
Country of origin	(Branded)		
Form Factor	Business Laptop Computer (Manufacture Confirmation must be attached)		
Chipset	Intel Integrated Chipset		
Processor	Intel® Core TM i7-10510U 1.8GHz processor (8 MB L3 cache) / AMD Ryzen™ 7 4700U Processor 2.00GHz up to 4.1GHz (12MB L2/L3 Cache)		
Memory RAM	16 GB of DDR4 system memory Upgradable to 32 GB or Higher capacity		
Maximum RAM speed and type	2666 MHz, DDR4 or higher		
Hard Disk	1TB SSD or Above		
Graphics	Intei HD Graphics / AMD Radeon™ Graphics		
Keyboard	(Specify)		
Touch Pad	Multi-gesture touchpad, supporting two-finger scroll		
Audio Audio Integrated speakers' microphone	Integrated high definition audio Integrated internal speakers Built-in microphone		
Communications Modem Ethernet description wireless Bluetooth	WLAN: 802.11ac WPAN: Bluetooth 4.0		
Inbuilt Camera	720p HD camera		
Expansion options PC card I/O ports	SDTM Card reader Microphone / Earphone jack USB 2.0 port Two USB 3.0 ports HDMI® port DC-in jack for AC adapter Fingerprint Reader		
Display type	14"/15.6" TFT LCD HD Resolution		

Quality/Stability and reliability tests of the Product quoted	The quoted product should possess test reports of the following, Spill-resistant keyboard to Provides protection against water spillage. (Should provide lab test as proof)		
Operating system	Windows 10 Pro / Linux / Ubuntu 18.04+		
Application Software	Sinhala and Tamil Unicode Software Commercial Anti-virus with license for 3 years		
Battery	Minimum 8 Hours battery life (Specify Type / mAh / Hours)		
Security	Kensington lock slot		
Accessories Carrying case	Should be same brand		
Product certifications of the quoted Model	Energy Star or any other equal certificate to Energy Star, issued by authorized body who has the authority to do so, Documentary evidence must be provided Valid ISO 9001: 2015, and ISO 14001:2015		
Manufacture Experience	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand. (Proof document should be attached)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor and Parts) Excluding Consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details and Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		

Chintha Batuwita
Senior Assistant Director
Faculty of Agriculture
University of Ruhuna
Kamburupitiya.

<p>Warranty Information</p>	<p>A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period In all Laptops</p>		
<p>Brochure</p>	<p>Supplier should provide original brochure of make/model quoted as per above specification</p>		

Handwritten initials and signature:

Handwritten initials: *SL*

Handwritten initials: *N*

Handwritten signature: *CH*

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

Features	Required Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
Make and Model	(Branded)		
Country of manufacture	(Branded)		
Country of origin	(Branded)		
Form Factor	Business Laptop Computer Manufacture Confirmation must be attached)		
Chipset	Intel Integrated Chipset		
Processor	Intel® Core TM i5-10210U 1.6GHz processor (6 MB L3 cache, up to 4.2GHz / AMD Ryzen™ 5 4500U Processor 2.30GHz up to 4.0GHz (11MB L2/L3 Cache)		
Memory RAM	8 GB of single channel, DDR4 system memory Upgradable to 16 GB or Higher capacity		
Maximum RAM speed and type	2666 MHz, DDR4 or higher		
Hard Disk	512GB SSD or Above		
Graphics	Intel UHD Graphics/ AMD Radeon™ Graphics		
Keyboard	(Specify)		
Touch Pad	Multi-gesture touchpad, supporting two-finger scroll,		
Audio Audio Integrated speakers' microphone	Integrated high definition audio Integrated internal speakers Built-in microphone		
Communications Modem Ethernet description wireless Bluetooth	WLAN: 802.11ac WPAN: Bluetooth 4.0		
Inbuilt Camera	720p HD camera		
Expansion options PC card I/O ports	SDTM Card reader Microphone / Earphone-in jack USB 2.0 port Two USB 3.0 ports HDMI® port DC-in jack for AC adapter		
Display type	14"/ 15.6" TFT LCD HD Resolution		
Operating system	Windows 10 Pro / Linux / Ubuntu 18.04+		

Application Software	Sinhala and Tamil Unicode Software Commercial Anti-virus with license for 3 years		
Battery	Minimum 8 Hours battery life (Specify Type / mAh / hours)		
Security	Kensington lock slot		
Accessories Carrying case	Should be same brand		
Product certifications of the quoted Model	Energy Star or any other equal certificate to Energy Star, issued by authorized body who has the authority to do so, Documentary evidence must be provided Valid ISO 9001: 2015, and ISO 14001:2015		
Manufacture Experience	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand. (Proof document should be attached)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor and Parts) Excluding Consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details and Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period in all Laptops		
Brochure	Supplier should provide original brochure of make/model quoted as per above specification		

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

A

Laptop Computers - i3

Type I

Annex - 5

Features	Required Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
Make and Model	(Branded)		
Country of manufacture	(Branded)		
Country of origin	(Branded)		
Form Factor	Business Laptop Computer Manufacture Confirmation must be attached)		
Chipset	Intel Integrated Chipset		
Processor	Intel® Core TM i3-10110U 2.1GHz processor (4 MB L3 cache) / AMD up to 4.1GHz /AMD Ryzen™ 3 4300U Processor 2.70GHz up to (6MB L2/L3 cache)		
Memory RAM	4 GB of single channel, DDR4 system memory Upgradable to 16 GB or Higher capacity		
Maximum RAM speed and type	2666 MHz, DDR4 or higher		
Hard Disk	256 SSD or Above		
Graphics	Intel HD Graphics / AMD Radeon™ Graphics		
Keyboard	(Specify)		
Touch Pad	Multi-gesture touchpad, supporting two-finger scroll,		
Audio Audio Integrated speakers' microphone	Integrated high definition audio Integrated internal speakers Built-in microphone		
Communications Modem Ethernet description wireless Bluetooth	WLAN: 802.11ac WPAN: Bluetooth 4.0		
Inbuilt Camera	720p HD camera		
Expansion options PC card I/O ports	SDTM Card reader Microphone / Earphone - in jack USB 2.0 port Two USB 3.0 ports HDMI® port DC-in jack for AC adapter		
Display type	14"/ 15.6" TFT LCD HD Resolution		



Operating system	Windows 10 Pro / Linux / Ubuntu 18.04+		
Application Software	Sinhala and Tamil Unicode Software Commercial Anti-virus with license for 3 years		
Battery	Minimum 8 hours battery life (Specify Type / mAh / Hours)		
Security	Kensington lock slot		
Accessories Carrying case	Should be same brand		
Product certifications of the quoted Model	Energy Star or any other equal certificate to Energy Star, issued by authorized body who has the authority to do so, Documentary evidence must be provided Valid ISO 9001: 2015, and ISO 14001:2015		
Manufacture Experience	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand. (Proof document should be attached)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor and Parts) excluding consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details and Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Additional Warranty Conditions	1-year warranty for Battery and Power Adapter		
Warranty Information	A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period in all Laptops		
Brochure	Supplier should provide original brochure of make/model quoted as per above specification		

Mono Laser Printer

Annex 6

Item	Minimum Specification	Bidder's Compliance	
		Yes/No	If 'No' indicate your offer
Brand	(Specify)		
Model	(Specify)		
Country of Origin	(Specify)		
Country of Manufacture / Assembled	(Specify)		
Year of Manufacture	(Specify)		
Technology	Laser		
Print Speed	Black Draft Text 42 PPM or above		
Print Resolution	600 × 600 dpi, 1200 × 1200 dpi (equivalent)		
Memory	Minimum 768MB Standard		
Input Paper Tray	250 sheets, A4 Plain Paper		
Paper Sizes	Letter, A 4.		
Paper Types	Paper (bond, letterhead, plain, preprinted, recycled, rough, and light).		
Interface	USB, Fast Ethernet 10x100,10x1000 & Wi-Fi		
Duplex Printing	Auto Duplex Printing		
Duty Cycle	75,000 or above		
Power Source	220 ~ 240V		
Operating Systems Support	Windows 7, Windows 10, mac OS, Linux		
Software	Printer Driver Software with Media Kit for Windows 7, Ubuntu		
Certificates	Quoted Model should be Energy Star, CE Complied, (Documentary Evidence should be Provided)		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should provide documentary evidence to support the above)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor & Parts) Excluding Consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details & Date of		

	Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period on all Printers		
Cost per Page	Should be Less than Rs.3 per page Please specify the Price of the Toner & the Yield Certified by the Manufactures		
Brochure	Supplier should provide original brochure of make/model quoted as per above specification		

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Portable Document Scanner

Annex 7

Item	Minimum Specification	Bidder's Compliance	
		Yes/No	If 'No' indicate your offer
Brand	(Specify)		
Model	(Specify)		
Country of Origin	(Specify)		
Country of Manufacture / Assembled	(Specify)		
Year of Manufacture	(Specify)		
Type	Portable		
Optical Resolution	150 x 150dpi, 200 x 200dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi		
Light Source	RGB LED		
Scanning Side	Simplex/Duplex		
Interface	High speed USB 2.0		
Power Requirement	AC220-240V		
Environmental Compliance	RoHS and ENERGY STAR		
Black and White Scanning Speed (A4,200dpi)	ADF:12ppm / 14ipm 15ppm or above		
Colour Scanning Speed (A4,200dpi)	ADF 10ppm / 10ipm 12ppm or above		
Output resolution	150*150dpi, 200*200dpi,240*240dpi,300*300dpi,400*400dpi,600*600dpi		
Output Mode	Black & White, Error Diffusion, Advanced Text Enhancement, Advanced Text Enhancement II, 8-bit Greyscale (256-Level), 24-bit Colour		
Feeder capacity	20 sheets (80g/m ²)		
Features	Please Specify		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should		

	provide documentary evidence to support the above)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor & Parts) Excluding Consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details & Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period On all scanners		
Brochure	Supplier should provide brochure of make/model quoted as per above specification		

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devices just like a user would on the interface of the uninterruptible power supply system.

Uninterrupted Power Supply (UPS)

Item	Minimum Requirement	Bidder's Response	
		Yes/No	If "No", Bidders Response
Brand	(Specify)		
Model	(Specify)		
Country of Origin & Country of Manufacture / assembly	(Specify)		
Capacity	650VA		
Input Voltage	140 - 300V 5VAC		
Frequency	50Hz		
Phase	Single + GND		
Output Voltage	230VAC +10% -10%		
Battery Mode	230VAC 10%		
Frequency	50Hz 1Hz (Battery Mode)		
Waveform	Simulated Sine Wave (Battery Mode)		
	Sine Wave (AC Mode)		
Transfer Time	2ms 2-6ms		
Battery Type	12V/7 AH — 1pc		
Backup Time	7 ~ 20 minutes depending on load		
Recharge Time	90% capacity after 8 hours		
Surge Protection	Yes		
Overload	Line Mode 100 ~ 120% 5mins change to fault mode, 120% change to fault mode immediately		
Battery Management	Battery Mode 100 ~ 102% 5 secs shutdown, 120% Prevent overcharging		
Alarm	Yes		
General Noise Level	40dB		
Temperature	0°C ~ 40°		
Humidity	0 ~ 95% relative humidity		
Power Factor	Up to 0.7		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders	The bidder should have successfully sold same similar product for last 3 years (Bidder should		

Authorization Certificate	provided (Originals should be provided on request)		
Warranty	<p>Comprehensive on-site manufacturer authorized warranty for 36 months (Labor & Parts) Excluding Consumes.</p> <p>Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name.</p> <p>(a) Address, Contact Details & Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)</p>		
Warranty Information	<p>A sticker with</p> <ul style="list-style-type: none"> -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period <p>On all UPS's</p>		
Brochure	Supplier should provide brochure of make/model quoted as per above specification		

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Uninterruptible Power Supply (UPS)

(22)

Item	Minimum Requirement	Bidder's Response	
		Yes/No	If "No", Bidders Response
Brand	(Specify)		
Model	(Specify)		
Country of Origin & Country of Manufacture/assembly	(Specify)		
Capacity	1KVA/1.2KVA		
Input Voltage	140-300V 5VAC		
Frequency	50Hz		
Phase	Single+GND		
Output Voltage	230VAC+10%-10%		
Battery Mode	230VAC10%		
Frequency	50Hz±1Hz(Battery Mode)		
Waveform	Simulated Sine Wave(Battery Mode)		
	Sine Wave(AC Mode)		
Transfer Time	2ms 2-6ms		
Battery Type	12V/7AH-1pc		
Backup Time	7~20minutes depending on load		
Recharge Time	90% capacity after 8 hours		
Surge Protection	Yes		
Overload	Line Mode 100~120% 5 mins change to fault mode, 120% change to fault mode immediately		
Battery Management	Battery Mode 100~102% 5 sec shutdown, 120% Prevent overcharging		
Alarm	Yes		
General Noise Level	40dB		
Temperature	0°C~40°		
Humidity	0~95% relative humidity		
Power Factor	Upto 0.7		
Manufacture Experience	Manufacturers should have minimum of ten years' experience in manufacturing of the same brand. (Proof documents should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should provide documentary evidence to support the above)		
Manufacturer	Manufacturer Authorization Certificate should be		

Authorization Certificate	provided (Originals should be provided on request)		
Warranty	Comprehensive on-site manufacturer authorized warranty for 36 months (Labor & Parts) Excluding Consumes. Bidder or its parent company or its subsidiary should have Island wide owned branch network Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details & Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)		
Warranty Information	A sticker with -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period On all UPS's		
Brochure	Supplier should provide brochure of make/model quoted as per above specification		

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