



University of Ruhuna

Wellamadama  
Matara.

15.11.2023

The Manager

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**Invitation for Bids (IFB)**

**Contract: Supply, Delivery, Installation, Commissioning, Testing and Maintenance of Computer Software & Hardware.**

**RUH/SUP/C /2023/S2/014**

1. The Chairman, Department Procurement Committee on behalf of the University of Ruhuna now invites sealed bid from you for **Supply, Delivery, Installation, Commissioning, Testing and Maintenance of Computer Software & Hardware** indicated in the annexed bid document.
2. Bidding will be conducted through National Shopping method of procurement.
3. You may obtain further information if any from the **Senior Assistant Bursar/ Supplies**, University of Ruhuna, Wellamadama, Matara. (T/P 041- 2227027/ Fax No. 041 – 2227027/ e-mail : [sabs@admin.ruh.ac.lk](mailto:sabs@admin.ruh.ac.lk))
4. Bids must be delivered by mail in sealed envelopes addressed to **Deputy Bursar (Supplies)**, University of Ruhuna, Wellamadama, Matara before **02.00 p.m on 28.11.2023** Late bids will be rejected.
5. This contract is subject to
  - I. Providing of Performance Security of 10% of the total contract price in accordance with the 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.

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Deputy Bursar(Supplies)  
University of Ruhuna,  
Wellamadama,  
Matara.





**UNIVERSITY OF RUHUNA**

**PROCUREMENT OF GOODS UNDER  
NATIONAL SHOPPING PROCEDURES**

**INVITATION FOR QUOTATIONS  
FOR**

**SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING,  
TESTING AND MAINTENANCE OF COMPUTER  
SOFTWARE & HARDWARE**

**IFQ No: RUH/SUP/C/2023/S2/014**



## Section I. Instructions to Vendors (ITV)

<b>A:General</b>	
<b>1. Scope of Bid</b>	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>B:Contents of Documents</b>	
<b>2. Contents of Documents</b>	<p>2.1 The documents consist of the Sections indicated below.</p> <ul style="list-style-type: none"> <li>• Section I. Instructions to Vendors(ITV)</li> <li>• Section II. Data Sheet</li> <li>• Section III. Schedule of Requirements</li> <li>• Section IV. Technical Specifications &amp; Compliance with Specifications</li> <li>• Section V. Quotation submission Form(s)</li> </ul>
<b>C:Preparation of Quotation</b>	
<b>3. Documents Comprising your Quotation</b>	<p>3.1 The Quotation shall comprise the following:</p> <p style="margin-left: 40px;">(a) Quotation Submission Form and the Price Schedules;</p> <p style="margin-left: 40px;">(b) Technical Specifications &amp; Compliance with Specifications</p>
<b>4. Quotation Submission Form and Price Schedules</b>	<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 <b>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.</b></p>
<b>5. Prices and Discounts</b>	<p>5.1 Unless specifically stated in Data Sheet, all items must be priced separate 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>

	<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>
<b>6. Currency</b>	6.1 The vendors shall quote only in Sri Lanka Rupees.
<b>7. Documents to Establish the Conformity of the Goods</b>	<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 &amp; 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>
<b>8. Period of Validity of quotation</b>	8.1 Quotations shall remain valid for the period of <b>One hundred eighty (180)</b> days after the quotation submission deadline date.
<b>9. Format and Signing of Quotation</b>	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.
<b>D: Submission and Opening of Quotation</b>	
<b>10. Submission of Quotation</b>	<p>10.1 Vendors may submit their quotations by 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>
<b>11. Deadline for Submission of Quotation</b>	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.
<b>12. Late Quotations</b>	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><b>13. Opening of Quotations</b></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><b>E: Evaluation and Comparison of Quotations</b></p>	
<p><b>14. Clarifications</b></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>14.3 Bids were submitted by Public Enterprise will be given a 15% special preference.</p>
<p><b>15. Responsiveness of Quotations</b></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><b>16. Evaluation of quotations</b></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"> <li>(a) the Price as quoted;</li> <li>(b) price adjustment for correction of arithmetical errors;</li> <li>© price adjustment due to discounts offered.</li> </ul> <p>16.3 The Purchaser's evaluation of a quotation may require the Consideration of the 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><b>17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations</b></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 there by incurring any liability to bidders.</p>

**F: Award of Contract**

<b>18. Acceptance of the Quotation</b>	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.
<b>19. Notification of acceptance</b>	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: <b>Vice Chancellor</b> 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 Supplies Branch, University of Ruhuna, Wellamadama, Matara.  Deadline for submission of Quotations is at <b>2.00 p.m. on 28.11.2023</b>
13	The Quotations shall be opened at the following address: Supplies Branch, University of Ruhuna, Wellamadama, Matara.
16	Other factors that will be considered for evaluation are(List and describe the methodology):
<b>Additional Clause</b>	
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 <b>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.</b>

## Section III: Schedule of Requirements

**Note: 1. Bidders** a) May quote whole items

Item Number	Brief Description of the Goods	Specification and Requirements	Quantity	Delivery Period in Days from issue of Purchase Order	Place of Delivery	Installation and warranty Requirements if any
01.	Laptop Computer i7	Specification Attached Annex 1.1	05	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required
02.	Desktop Computer i7	Specification Attached Annex 1.2	01	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required
03.	Laptop Computer i5	Specification Attached Annex 1.3	03	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required
04.	Desktop Computer i5	Specification Attached Annex 1.4	07	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required
05.	UPS 1.2 KVA	Specification Attached Annex 1.5	01	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required
06.	External Hard Disk 2TB	Specification Attached Annex 1.6	01	02 weeks	University of Ruhuna, Wellamadama, Matara	Warranty required

Please mention your delivery period - .....

If you not mentioned the delivery period, earliest delivery period 02 weeks is accepted.

.....  
Signature

.....  
Date

.....  
Rubber Stamp

## 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 under signed, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conform it 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 n ITVSub-Clause8.1, from the date fixed for the quotation submission deadline in accordance with ITV Sub-Clause11.1, 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, to ether with your written acceptance there of 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

Package Name: RUH/SUP/C/2023/S2/014

Item No.	Description	Qty.	Unit Rate. (Without VAT) (Rs.)	VAT (Rs.)	Total Amount (With VAT) (Rs.)
01.	Laptop Computer i7	05			
02.	Desktop Computer i7	01			
03.	Laptop Computer i5	03			
04.	Desktop Computer i5	07			
05.	UPS 1.2 KVA	01			
06.	External Hard Disk 2TB	01			

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 of the Bidder

Name of the Bidder

Date

**Annex 1.1**

**Specifications for Internationally Branded Laptop Computers – Intel Core i7**

**(05Units)**

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
<b>Make</b>	Please Specify		
<b>Model</b>	Please Specify		
<b>Country of Origin</b>	Please Specify		
<b>Country of Manufacture</b>	Please Specify		
<b>Authorization</b>	Manufacturer's authorization letter should be provided		
	Supplier should have an authorized service support center		
<b>Processor</b>	Intel Core i7 – 1255U 12 <sup>th</sup> Generation or above		
<b>Form Factor</b>	Business Laptop Computer (Manufacture Confirmation must be attached)		
<b>Processor Speed</b>	1.7 GHz (Base Frequency) or above		
<b>Cache</b>	12 M or more		
<b>RAM</b>	16 GB (upgradable to 32GB)		
<b>RAM Type</b>	DDR 4		
<b>Ram Speed</b>	3200 MHz or above		
<b>Chipset</b>	Intel Chipset		
<b>HDD</b>	512 GB NVMe SSD or higher		
<b>Communication Interfaces</b>	Ethernet 100/1000 MBPS		
	Wireless LAN		
	Bluetooth		
<b>Display</b>	15.6" LED		

<b>Audio</b>	Integrated Microphone		
	HD Audio		
	Integrated Stereo Speakers		
<b>Graphics</b>	Intel UHD Graphics/Intel Iris Graphics - Please Specify		
<b>Inbuilt Camera</b>	720p or better HD Camera		
<b>Optical drive</b>	Internal DVD +/- RW Drive or branded external DVD +/- RW Drive		
<b>External Mouse</b>	External Wireless mouse		
<b>Keyboard</b>	Windows Keyboard		
<b>Interfaces</b>	VGA port or HDMI to VGA converter should be available – Please Specify		
	HDMI should be available		
	USB 3.1 / 3.0 / 2.0 – 3 or more		
	Stereo microphone input – 1		
	Headphone line out - 1		
<b>Battery</b>	Lithium-Ion Battery with minimum 5 hours backup time		
<b>Power Supply</b>	A/C Adaptor Required		
<b>Operating System</b>	Microsoft windows 10 professional genuine or higher with OEM license manufacturer confirmation or authorized Microsoft partner confirmation letter		
<b>Security</b>	Kensington Lock Slot		
<b>Product certifications of the quoted Model</b>	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		
<b>Manufacture Experience</b>	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand.		
<b>Warranty Period</b>	All-inclusive minimum 3 years comprehensive onsite warranty is required.		

<b>Number of Free Services</b>	Please specify number of Free Services carried out per year during the period of warranty		
<b>Condition of service agreement and fee after warranty</b>	Please specify		
<b>Availability of spare parts for minimum five years</b>	Please specify		
<b>Operational environmental condition</b>	Should function without any issue under general climate condition.		
<b>Carrying Bag</b>	Original Carrying Bag		
<b>Delivery Period in Days from issue of Purchase Order</b>	Please specify		
<b>Brochure</b>	Bidder should provide illustrative, published product literature along with the quotation to support conformity with tender specifications		

Note: Please complete the "Conformity" column, without which references to catalogues and data sheets will not be considered in the bid evaluation.



**Annex 1.2**

**Specifications for Internationally Branded Desktop Computers – Intel Core i7  
(0.4 Units)**

SPECIFICATIONS	REQUIREMENTS	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
Form factor	Tower/Mini Tower (Lockable black casing)		
Make	Please Specify		
Model	Please Specify		
Country of Origin	Please Specify		
Country of Manufacture	Please Specify		
Authorization	Manufacturer's authorization letter should be provided Supplier should have an authorized service support center		
Processor	Intel® Core™ i7 Processor		
Generation	12 <sup>th</sup> Generation or above		
Processor Speed	2.0 GHZ (base frequency) or higher Up to 4.7 GHz max. turbo frequency		
Cache	12 M or above		
RAM	16 GB or more		
RAM Type	DDR 4		
RAM Speed	2666 MHZ or higher please Specify		
Mother board	Intel certified Desktop board		
Mother board chipset	Intel certified		
HDD	256 GB SSD +1TB 7200 rpm SATA Hard Drive or better		
Screen Sizes	18.5 Inches WXGA or above Please Specify		
Audio	High-definition Audio		
Video	Intel Graphics Media Accelerator		

<b>Network Interface</b>	Integrated Ethernet 100/1000 mbps		
	802.11n or latest		
<b>Optical Drive</b>	internal DVD +/- RW Drive or branded external DVD +/- RW Drive		
<b>Mouse</b>	USB Optical		
<b>Keyboard</b>	USB full size standard keyboard		
<b>USB</b>	Front 3.0 – 2 or above		
	Rear 3.0 – 2 or above		
<b>HDMI</b>	1 or more		
<b>VGA</b>	VGA port or HDMI to VGA converter should be available – Please Specify		
<b>Mic and Headphone in Rear &amp; Front</b>	Required		
<b>1x Audio ports</b>	Rear - 1x Audio ports (5.1 channel (3 Jack) or Please Specify		
<b>Operating System</b>	Microsoft windows 10 professional genuine or higher with OEM license manufacturer confirmation or authorized Microsoft partner confirmation letter		
<b>Energy Star</b>	Should be Energy Star ® qualified		
<b>Warranty Period</b>	All-inclusive minimum 3 years Comprehensive Warranty		
<b>Number of Free Services</b>	Please specify number of Free Services to be carried out per year during the period of warranty		
<b>Condition of service agreement and fee after warranty Period</b>	Please specify		
<b>Availability of spare parts for minimum five years</b>	Please specify		
<b>Operational environmental condition</b>	Should function without any issue under general climate condition (Please specify)		

<b>Other</b>	Bidder should provide illustrative, published product literature along with the quotation to support conformity with tender specifications		
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**Note: Please complete the “Conformity” column, without which references to catalogues and data sheets will not be considered in the bid evaluation.**



**Annex 1.3**

**Specifications for Internationally Branded Laptop Computers – Intel Core i5**

**(03Units)**

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
<b>Make</b>	Please Specify		
<b>Model</b>	Please Specify		
<b>Country of Origin</b>	Please Specify		
<b>Country of Manufacture</b>	Please Specify		
<b>Authorization</b>	Manufacturer's authorization letter should be provided		
	Supplier should have an authorized service support center		
<b>Processor</b>	Intel Core i5 – 1235U 12 <sup>th</sup> Generation or above		
<b>Form Factor</b>	Business Laptop Computer (Manufacture Confirmation must be attached)		
<b>Processor Speed</b>	1.3 GHz (Base Frequency) or above		
<b>Cache</b>	12 M or more		
<b>RAM</b>	8 GB or more		
<b>RAM Type</b>	DDR 4		
<b>Ram Speed</b>	3200 MHz or above		
<b>Chipset</b>	Intel Chipset		
<b>HDD</b>	512 GB NVMe SSD or higher		
<b>Communication Interfaces</b>	Ethernet 100/1000 MBPS		
	Wireless LAN		
	Bluetooth		
<b>Display</b>	15.6" LED		
<b>Audio</b>	Integrated Microphone		
	HD Audio		

	Integrated Stereo Speakers		
<b>Graphics</b>	Intel UHD Graphics/Intel Iris Graphics - Please Specify		
<b>Inbuilt Camera</b>	720p or better HD Camera		
<b>Optical drive</b>	Internal DVD +/- RW Drive or branded external DVD +/- RW Drive		
<b>External Mouse</b>	External Wireless mouse		
<b>Keyboard</b>	Windows Keyboard		
<b>Interfaces</b>	VGA port or HDMI to VGA converter should be available – Please Specify		
	HDMI should be available		
	USB 3.1 / 3.0 / 2.0 – 3 or more		
	Stereo microphone input – 1		
	Headphone line out - 1		
<b>Battery</b>	Lithium-Ion Battery with minimum 5 hours backup time		
<b>Power Supply</b>	A/C Adaptor Required		
<b>Operating System</b>	Microsoft windows 10 professional genuine or higher with OEM license manufacturer confirmation or authorized Microsoft partner confirmation letter		
<b>Security</b>	Kensington Lock Slot		
<b>Product certifications of the quoted Model</b>	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		
<b>Manufacture Experience</b>	Manufacturer should have minimum of 3 years' experience in manufacturing of the same brand.		
<b>Warranty Period</b>	All-inclusive minimum 3 years comprehensive onsite warranty is required		
<b>Number of Free Services</b>	Please specify number of Free Services carried out per year during the period of warranty		
<b>Condition of service agreement and fee after warranty</b>	Please specify		

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<b>Availability of spare parts for minimum five years</b>	Please specify		
<b>Operational environmental condition</b>	Should function without any issue under general climate condition.		
<b>Carrying Bag</b>	Original Carrying Bag		
<b>Delivery Period in Days from issue of Purchase Order</b>	Please specify		
<b>Brochure</b>	Bidder should provide illustrative, published product literature along with the quotation to support conformity with tender specifications		

Note: Please complete the "Conformity" column, without which references to catalogues and data sheets will not be considered in the bid evaluation.



Annex 14

Specifications for Internationally Branded Desktop Computers -- Intel Core i5(7 Units)

SPECIFICATIONS	REQUIREMENTS	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
From factor	Tower/Mini Tower (Lockable black casing)		
Make	Please Specify		
Model	Please Specify		
Country of Origin	Please Specify		
Country of Manufacture	Please Specify		
Authorization	Manufacturer's authorization letter should be provided		
	Supplier should have an authorized service support center		
Processor	Intel® Core™ i5 Processor		
Generation	12 <sup>th</sup> Generation or above		
Processor Speed	2.5 GHZ (base frequency) or higher Up to 4.4 GHz max. turbo frequency		
Cache	12 M or above		
RAM	8 GB or more		
RAM Type	DDR 4		
RAM Speed	2666 MHZ or higher please Specify		
Mother board	Intel certified Desktop board		
Mother board chipset	Intel certified		
HDD	256 GB SSD + 1TB 7200 rpm SATA Hard Drive or better		
Screen Sizes	18.5 Inches WXGA or above Please Specify		
Audio	High-definition Audio		
Video	Intel Graphics Media Accelerator		

<b>Network Interface</b>	Integrated Ethernet100/1000 mbps 802.11n or latest		
<b>Optical Drive</b>	internal DVD +/- RW Drive or branded external DVD +/- RW Drive		
<b>Mouse</b>	USB Optical		
<b>Keyboard</b>	USB full size standard keyboard		
<b>USB</b>	Front 3.0 – 2 or above		
	Rear 3.0 – 2 or above		
<b>HDMI</b>	1 or more		
<b>VGA</b>	VGA port or HDMI to VGA converter should be available – Please Specify		
<b>Mic and Headphone in Rear &amp; Front</b>	Required		
<b>1x Audio ports</b>	Rear - 1x Audio ports (5.1 channel (3 Jack) or Please Specify		
<b>Operating System</b>	Microsoft windows 10 professional genuine or higher with OEM license manufacturer confirmation or authorized Microsoft partner confirmation letter		
<b>Energy Star</b>	Should be Energy Star ® qualified		
<b>Warranty Period</b>	All-inclusive minimum 3 years Comprehensive Warranty		
<b>Number of Free Services</b>	Please specify number of Free Services to be carried out per year during the period of warranty		
<b>Condition of service agreement and fee after warranty Period</b>	Please specify		
<b>Availability of spare parts for minimum five years</b>	Please specify		

<b>Operational environmental condition</b>	Should function without any issue under general climate condition (Please specify)		
<b>Other</b>	Bidder should provide illustrative, published product literature along with the quotation to support conformity with tender specifications		

**Note:** Please complete the "Conformity" column, without which references to catalogues and data sheets will not be considered in the bid evaluation.



**Annex 1.5**

**Specifications for Line Interactive Uninterrupted Power Supply (1KVA)**

**(04Units)**

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
Make	Please specify		
Model	Please specify		
Country of Origin	Please specify		
Country of Manufacture	Please specify		
Authorization	Manufacturer's authorization letter should be provided		
	Supplier should have an authorized service & support center		
Capacity	1 KVA or more		
Type	Line Interactive		
Input Voltage	220VAC +/- 20%		
Output Voltage	220V +/- 10%		
Frequency	50/66 Hz		
Waveform Type	Please Specify		
Input Protection	Please specify		
Overload Protection	Please specify		
Transfer time	<=5 ms		
	Please specify		
Battery backup time fully charged	>=5 minutes backup time at fully loaded (400W)		
	>=8 minutes backup time at fully loaded (200W). Please specify		
Battery Recharge Time	<= 8 hours		
	Please specify		
Communication Ports selection	Please specify		
Software	Should support both windows & Linux - Please Specify		
Input Connection	1m IEC Kettle Lead Power Cable 3 Pin UK Plug		
Output Connection	1m IEC Kettle Lead Power Cable 3 Pin UK Plug		
Lightning / Surge Protection	<=320 Joules		
Number of Power Outlet	2 or more		
Overload	100% to 110%: audible warning		

	110% to 130%: UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal. >130%: UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal		
<b>Battery type</b>	Maintenance -free sealed Lead-Acid battery with suspended electrolyte: leak-proof 12V		
<b>No. of Battery modules</b>	Please Specify		
<b>Battery Voltage</b>	12V 7Ahr or higher		
<b>LED Status Indicator</b>	Please specify		
<b>Warranty Period</b>	All-inclusive minimum 2 years comprehensive Warranty is required. Please specify		
<b>Warranty Extension</b>	At least two years -- Please Specify		
<b>Number of Free Services</b>	Please specify number of Free Services carried out per year during the period of warranty		
<b>Warranty agreement</b>	Pease specify		
<b>Condition of service agreement and free after warranty</b>	Pease specify		
<b>Availability of spare parts for minimum five years</b>	Pease specify		
<b>Operational environmental condition</b>	Should function without any defect under the climate condition. Prevailing in Sri Lankan environments during the warranty period		

**Note: Please complete the "Conformity" column, without which references to catalogues and data sheets will not be considered in the bid evaluation.**

**Annex 1.6**  
**Specifications for a External HDD**

Features	Required Minimum Specification	Bidders Compliance	
		Yes/No	If No, Bidders Response
<b>Make</b>	(Branded) Specify		
<b>Model</b>	Specify		
<b>Country of Origin and Country of Manufacture/assembly</b>	Specify		
<b>Type</b>	Portable External		
<b>Drive Interface</b>	SATA		
<b>Storage Capacity</b>	2 TB		
<b>Host Interface</b>	USB 3.0		
<b>Operating systems supported</b>	Windows Linux distributions Macintosh		
<b>Durability</b>	Anti-shock		
<b>Warranty</b>	3 years		

