



University of Ruhuna
Wellamadama
Matara

28.07.2021

The Manager,
.....

Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Computers & Others for University of Ruhuna

IFB No - AHEAD/STEM/ELTA-ELSE/RUH/GOODS/2021/NS_145

The Chairman, Department Procurement Committee on behalf of the University of Ruhuna invites sealed bid from you for **Supply, Delivery, Installation, Commissioning and Testing of Computers & Others for University of Ruhuna** 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 August 11, 2021**. Late bids will be rejected.
04. This contract is subject to,
 - I. Providing of performance security of 10% of the total contract price in accordance with the format attached and issued with this in favor of the **Vice Chancellor, University of Ruhuna**.
 - II. Entering in to the formal agreement with the University of Ruhuna.

.....
Deputy Director - Procurements,
University of Ruhuna,
Wellamadama,
Matara.

Mr. R. C. Ketipearachchi
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
Computers & Others for University of Ruhuna.**

IFB No: AHEAD/STEM/ELTA-ELSE/RUH/GOODS/2021/NS-145

Mr. R. C. Ketippearachchi
Deputy Director - Procurement
Operations Branch, 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	2.1 The documents consist of the Sections indicated below. <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	3.1 The Quotation shall comprise the following: <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	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. 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.
5. Prices and Discounts	5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules. 5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.

Mr. R. C. Kufipoorachchi
 Deputy Director - Planning and
 Operations Technical Specialist
 AHEAD Project
 University of Ruhuna
 Wellamedama, Matara

	<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.

Mr. R. C. Kotilpearachchi
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University of Ruhuna
 Wellamadama, Matara

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.

Mr. R. C. Ketipenaarajee,
 Deputy Director - Procurement
 Operations, Technical & Material
 A&M Project
 University of Ruhuna
 Wellamadama, Matara

17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	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.
---	--

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.
20. Signing of Contract	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.
21. Performance Security.	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.

Mr. R. C. Kalpanasanthi
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University of Ruhuna
Wellamadama, Matara

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 August 11, 2021
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 period of one year from date of acceptance of the order. (Format is Attached)

Mr. R. C. Ketipearac Ariyaratne
 Deputy Director - Procurement
 Operations & Finance Secretariat
 AHEAD Project
 University of Ruhuna
 Wellamadama, Matara

Section III: Schedule of Requirements

Note:

1. Bidders a) May quote whole item.
2. Evaluation will be based on: a) separately.

Item No.	Brief Description of the Goods	Specification and Requirements	Quantity	Delivery Period in Days from issue of Purchase Order	Bidder's offered Delivery Date
01	Server Computer	Annexure I	02	2 weeks	
02	UPS (3kVA)	Annexure II	02	2 weeks	
03	Tablet Computer	Annexure III	02	2 weeks	
04	36" Smart Television	Annexure IV	08	2 weeks	
05	Laptop Computer i5	Annexure V	06	2 weeks	
06	Laptop Computer i7	Annexure VI	06	2 weeks	

Place of Delivery: University of Ruhuna, Wellamadama, Matara.

Mr. R. C. Ketipearachchi
Deputy Director - Procurement
Operations Technical Secretariat
AS/EAD Project
University of Ruhuna
Wellamadama, Matara

PRICE SCHEDULE –IV

Contract: Supply, Delivery, Installation, Commissioning and Testing of Computers & Others for University of Ruhuna
IFB No: AHEAD/STEM/ELTA-ELSE/RUH/GOODS/2021/NS-145

Item No.	Description	Qty.	Unit Rate, (Without VAT) (Rs. & Cents)	VAT (Rs. & Cents)	Total Amount (With VAT) (Rs. & Cents)
01	Server Computer	02			
02	UPS (3kVA)	02			
03	Tablet Computer	02			
04	36" Smart Television	08			
05	Laptop Computer i5	06			
06	Laptop Computer i7	06			

We agree to supply and delivery the above goods in accordance with the technical specifications for a total contract price of Rupees..... (amount in figures) (.....

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

Mr. T. S. ...
 Deputy Director - Procurement
 Operations, Technical Services
 AHEAD Project
 University of Ruhuna
 Wellington, Sri Lanka

.....
Signature of the Bidder **Name of the Bidder** **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:

Mr. T. S. S. Jayasinghe, OJi
Deputy Director - Procurement
Operations, Technical Secretariat
AFD Project
University of Ruhuna
Wellamadama, Matara

1. Specifications for Server Computer

Item	Quantity
Internationally Standard Rack Server Computer (2 Units)	02

SPECIFICATIONS	REQUIREMENTS	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
Chassis Form Factor	2U Chassis with Up to 24 x 2.5" Hard Drives for 2CPU		
Brand	Internationally Branded		
Brand Name	Please Specify		
Model Name	Please Specify		
Country of Origin	Please Specify		
Country of Manufacture	Please Specify		
Processor	Dual Processor 2 x Intel Xeon Silver 4208 2.1GHz Base Frequency, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400 or more		
Processor Thermal Configuration	Please Specify		
Motherboard Form Factor	Please Specify		
Motherboard Name and Model	Please Specify		
Memory	4 X 16GB RDIMM, 2400 MT/s or more, Dual Rank		
Hard Drive	8 x 1.92TB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive		
RAID	C7, Unconfigured RAID for HDDs or SSDs (Mixed Drive Types Allowed)		
RAID/Internal Storage Controllers	PERC H730P RAID Controller, 2GB NV Cache, Adapter		
Operating System	No Operating System - should be compatible with latest stable version of Debian 10 and Ubuntu 20 or above - hardware RAID support		
Power Supply	Dual, Hot-plug, Redundant Power Supply (1+1), 750W		
Power Cords	Please Specify		
Rack Rails	ReadyRails™ Sliding Rails With Cable Management Arm		
Server Installation Into Server Rack	Required (Please Specify)		
Monitor Inputs and data cable	VGA support Required- Please Specify		
NIC and NO#	Dual ,Integrated Ethernet 10/100/1000 Mbps NIC or Higher		

Optical Drive	DVD +/- RW Drive		
Mouse	USB Optical		
Keyboard	USB Full Size Standard Keyboard		
USB Ports	# of USB 2.xPorts - Please specify # of USB 3.x Ports – Please specify		
Other Ports	Please specify		
Authorization	Manufacturer's authorization letter should be provided.		
	Supplier should have an authorized service support center.		
Drivers	Should include exact drivers in CD'S		
System Documentation	Open Manage DVD Kit, Required		
Evaluation	Selected bidders should submit samples for evaluation if necessary.		
Warranty Period	All-inclusive minimum 3 years comprehensive warranty is required.		
Number of Free Services	Please specify number of Free Services carried out per year during the period of warranty		
Warranty agreement	A suitable replacement should be provided if repairing time for any brake down period exceeds 72 hours during warranty. If above condition is not satisfied, a penalty of Rs. 500.00 per day per computer will be applied and deduct from your retention for the brake down period. Please specify any deviation if applicable		
Condition of service agreement and fee after warranty	Pease specify		
Availability of spare parts for minimum five years	Pease specify		
Operational environmental condition	Should function without any defect under the costal climate conditions prevailing in the university environment during the warranty period.		

2. Specifications for UPS (3 kVA)

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		
Capacity	3KVA		
Power	2400W or above		
Type	on-line double-conversion		
Input Voltage	Single phase 230VAC +/- 20%		
Input Current in amps	Please specify		
Output Voltage	230V +/- 10%		
Frequency	50/66 Hz		
Waveform Type	Pure Sine Wave		
Input Protection	Please specify		
Output Protection	Please specify		
Energy Saving (Sleep Mode)	Please specify		
Overload Protection	Please specify		
Generator-compatible with a wide Input	Please specify		
Transfer time	<=4 ms Please specify		
External Battery packs	Two External Battery packs need to be attached to the UPS (72Vdc 50A or closer)		

Mr. R. C. Kotipearachchi
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University of Ruhuna
Wellamadama, Matara

SPECIFICATIONS		REQUIREMENTS	Bidders Compliance	
			Yes/No	If "No" Indicate your offer
Battery Specification	Batteries in the UPS:	Pl Specify		
	2*External Battery pack	20 minutes backup time at fully loaded		
Battery backup time fully charged		Without External Battery Packs- Please specify		
		With External Battery Packs- Please specify		
Battery Recharge Time with external battery packs		<= 8 hours Please specify		
Communication Ports selection		USB RS 232 (need to support windows/ Linux/Centos and citrix virtualization)		
		SNMP Management Card -Power management from SNMP manager and web browser(need remote monitoring via RJ45 connection ports)		
Software		Please Specify need to include the auto shutdown facility of the server under unusual mains supply or when the battery is discharged at some time limit		
Lightning / Surge Protection		<=320 Joules		
Battery Protection		Please Specify		

Mr. R. C. Kumbhakarachi
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University of Ruhuna
Wellamadama, Matara

SPECIFICATIONS	REQUIREMENTS	Bidders Compliance	
		Yes/No	If "No" Indicate your offer
Number of Outlets	4 or higher Please specify		
LCD Status Indicator	Load level, Battery level, AC mode, Battery mode ,Please specify		
Authorization	Manufacturer's authorization letter should be provide		
	Supplier should have an authorized service & support center		
Warranty Period	All inclusive minimum 3 years comprehensive Warranty is required Please specify		
Brochure	Need to supply product relevant brochure for prove the above specifications.		
Number of Free Services	Please specify number of Free Services carried out per year during the period of warranty		
Warranty agreement	Pease specify		
Condition of service agreement and free after warranty	Pease specify		
Availability of spare parts for minimum five years	Pease specify		
Operational environmental condition	Should function without any defect under the climate condition. Prevailing in Sri Lankan environments during the warranty period		
Energy Saving	Energy star certification required		

Mr. R. C. Kotipearachchi
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University of Ruhuna
Wellamadama, Matara

Connectivity	<ul style="list-style-type: none"> • WLAN Up to 2x2 AC WiFi and Bluetooth or latest • WWAN 4G LTE-A Ready or latest 		
Pen	Integrated Active Pen		
Docking	USB Type-C Dock		
Security	Please Specify		
Operating System	Genuine Windows 10 Professional or latest		
Office Package	Genuine MS Office 2016 or latest		
Warranty Period	All-inclusive minimum 3 years Comprehensive warranty or Please specify		
Operational Environmental Condition	Should function without any issue under general climate condition (Please Specify)		
Other	Bidder should provide illustrative, published product literature along with the quotation to support conformity with tender specifications		

Mr. R. C. Kulpearachchi
Deputy Director - Procurement
Operations Technical Secretariat
AHEAD Project
University of Ruhuna
Wellamadama, Matara

Open Access Project
 University of Ruhuna
 152, Galle, Matara

Specifications of Installation of television, LED 36" Smart Colour HD				
Specification Factor	Requirements/ Limitations	Bidder's compliance		If No Bidder's Response
		Yes	No	
Utility;	To be used for teaching-learning activities on Histology, Neurohistology, Neuroanatomy in a students' laboratory by coupling with the existing			
Make (Brand) & Model;	1) Microscopic / video camera, TV system (02 LED & 08 CRT) 2) Interactive smart board 3) WI-FI system			
Country of Origin;	Please specify			
General Requirements;	Power supply : 230 V AC, 50-60 Hz			
	Stand : Ceiling hanging stand & tilting clamp is required with the TV			
	Installation : Mounting on ceiling hanging clamp and coupling for operating with existing TV network system & interactive (smart) board should be included			

	Warranty	:	5 years (Minimum)			
Specifications of Key Factors:						
	<ul style="list-style-type: none"> General features & Display 	<ul style="list-style-type: none"> LED Colour Screen Screen Type : Flat Screen Size : 36" Resolution : 1366 x 768 TV type : Slim 				
	<ul style="list-style-type: none"> Picture Quality 	<ul style="list-style-type: none"> HD 720p Motion Rate 60 Wide Color Enhancer Quad-Core Processor Enable to work as Smart TV Full Web Browser TV to Mobile Mirroring Mobile to TV Mirroring, DLNA Wireless TV On Wired TV On Wi-Fi Direct Game Mode 				
	<ul style="list-style-type: none"> Smart (Interactive) 	<ul style="list-style-type: none"> Screen Mirroring ConnectShare™ Movie 				
	<ul style="list-style-type: none"> Smart Connectivity 	<ul style="list-style-type: none"> 2 HDMI Connections 2 USB Connection 802.11AC built-in Wi-Fi 1 Component In (Analog video connection transmits HD RGB video using 3 RCA connections.) 1 Composite In (Shared with AV Component Input) (Analog video connection transmits video using one RCA connection) 1 Composite out (Shared with AV Component output) 				
	<ul style="list-style-type: none"> Connections 					

Deputy Director - Procurement
 Operation - Technical Secretariat
 AHEAD Project
 University of Ruhuna
 Wellamadama, Matara

	<ul style="list-style-type: none"> • 1 Digital Optical Output • 3 in 1 Audio In (R-Audio-L + Video) • 1 PC Audio In • 1 Audio Out (Mini Jack) • 1 Antenna In put • 1 PC connection 			
<ul style="list-style-type: none"> • Audio 	<ul style="list-style-type: none"> • Dolby® Digital Plus • 10 Watts (5W + 5W) 			
<ul style="list-style-type: none"> • Eco Sensor 	<ul style="list-style-type: none"> • Yes 			
<ul style="list-style-type: none"> • Power Supply: 	<ul style="list-style-type: none"> • 230 V AC / Single Phase / Frequency 50Hz 			
<ul style="list-style-type: none"> • Color: 	<ul style="list-style-type: none"> • Black 			
<ul style="list-style-type: none"> • Dimensions W x H x D: 	<ul style="list-style-type: none"> • 750 x 475 x 80 mm approximately 			
<ul style="list-style-type: none"> • Weight 	<ul style="list-style-type: none"> • 5.5 kg approximately 			
Standard or Additional Items Required				
<ul style="list-style-type: none"> • Standard Remote Control 	<ul style="list-style-type: none"> • Yes 			
<ul style="list-style-type: none"> • Either Local Video Splitter & Channel Modulator Including ports for each TVs & cables and accessories where needed for Installation (wiring) & operation Or Equivalent (for WI-FI (Wireless networking technology)) 	<ul style="list-style-type: none"> • Yes N.B. These parts are needed to coordinate & communicate with nos. of TVs which will have to be connected to the system altogether. (If these items are not needed please supply alternatives) 			
<ul style="list-style-type: none"> • VESA Ceiling Mount Support 	<ul style="list-style-type: none"> • Rotatable mount / mounting bar, • Height of the bar = up to 1.0 - 1.5 m approximately, • Able to be tilt the flat panel TV • Should be compatible with the TV supplied 			
<ul style="list-style-type: none"> • Power Cable 	<ul style="list-style-type: none"> • Yes 			
<ul style="list-style-type: none"> • Operational Manuals 	<ul style="list-style-type: none"> • Hard Copy • Soft Copy 			

5. Specifications for Laptop Computer i5

Feature	Minimum Requirement	Bidder's Compliance	
		Yes/ No	If 'No', Bidder's Response
Make & Model	(Branded)		
Country of manufacture	(Branded)		
Country of origin	(Branded)		
Form Factor	Business Laptop Computer (Manufacturer Confirmation must be attached)		
Chipset	(Specify)		
Processor	Intel® Core TM i5-10210U 1.6GHz processor (6 MB L3 cache) up to 4.2GHz		
Memory RAM	8 GB of single channel, DDR4 system memory, Upgradable to 16 GB or Higher capacity		
Maximum RAM speed & type	2666 MHz, DDR4 or higher		
Hard Disk	512GB SSD or Above		
Graphics	Intel UHD 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" or higher TFT LCD HD Resolution		
Quality Stability and reliability tests of the product quoted			
Operating system	Genuine Windows 10 Pro		

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)		
Bidders Experience			
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 branch/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		

6. Specifications for Laptop Computer i7

Feature	Minimum Requirement	Bidder's Compliance	
		Yes/ No	If 'No', Bidder's Response
Make & Model	(Branded)		
Country of manufacture	(Branded)		
Country of origin	(Branded)		
Form Factor	Business Laptop Computer (Manufacturer Confirmation must be attached)		
Chipset	(Specify)		
Processor	Intel® Core™ i7-10510U 1.8GHz processor (8 MB L3 cache)		
Memory RAM	16 GB of DDR4 system memory, Upgradable to 32 GB or Higher capacity		
Maximum RAM speed & type	2666 MHz, DDR4 or higher		
Hard Disk	1TB SSD or Above		
Graphics	Intel HD 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, Fingerprint Reader		
Display Type	14" or higher 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 Provide protection against water spillage. (Should provide lab test as proof)		

Operating system	Genuine Windows 10 Pro		
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)		
Bidders Experience			
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 branch/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		