

Republic of the Philippines BULACAN STATE UNIVERSITY City of Malolos

BIDS AND AWARDS COMMITTEE FOR GOODS, SUPPLIES, AND SERVICES

March 26, 2021

Bid Bulletin No. 1 Modification in the Invitation to Bid, Schedule of Requirements and Technical Specification

This Bid Bulletin no. 1 is issued to modify or amend items in the Bidding Documents for project "Procurement of Various ICT Equipment for the University" with reference no. G-2021-13. This shall form an integral part of the said Bidding Documents.

I. Invitation to Bid

No.	FROM	ТО
2	The Bulacan State University (BulSU) now	The Bulacan State University (BulSU) now
	invites bids for Procurement of Various ICT	invites bids for Procurement of Various ICT
	Equipment for the University (G-2021-13).	Equipment for the University (G-2021-13).
	Delivery of the Goods is required within	Delivery of the Goods is required within
	Thirty (30) calendar days upon receipt of	Sixty (60) calendar days upon receipt of
	Notice to Proceed and Purchase Order.	Notice to Proceed and Purchase Order.
	Bidders should have completed, within the	Bidders should have completed, within the
	last three (3) years from the date of	last three (3) years from the date of
	submission and receipt of bids (April 7,	submission and receipt of bids (April 7,
	2021), a contract similar to the Project. The	2021), a contract similar to the Project. The
	description of an eligible bidder is contained	description of an eligible bidder is contained
	in the Bidding Documents, particularly, in	in the Bidding Documents, particularly, in
	Section II. Instructions to Bidders.	Section II. Instructions to Bidders.

II. Section VI. Schedule of Requirements

Please see attached "new form" for the Schedule of Requirements for Lot 1, 2 and 3

III. Section VII. Technical Specifications

Please see attached "new form" for the Technical Specifications for Lot 1, 2 and 3

This Supplemental/ Bid Bulletin no. 1 is issued this 26th day of March, 2021 for guidance and information of all concerned.

Dr. DOLLY P. MAROMA	
Chairperson, BAC for Goods, Supplies & Services	3

Received by the Bidder: 1

Signature over	printed name/	Company
Date and time:		

Section VI. Schedule of Requirements The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which

is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	LOT 1			Sixty (60)
1	All-in-One Computer (IQAO)	3	unit	Calendar
2	All-in-One Computer (COE-10, Pres. Office-1)	11	unit	Days upon receipt of
3	All-in-One Computer (CICT-26, Chancellor Ext1)	27	unit	Notice to
4	Desktop Set (MIS)	1	unit	Proceed.
5	Wifi – 6 Router (COE)	3	unit	
6	Rackmount Server (Planning Office)	1	unit	
7	All-in-One Computer (IEG FROAST)	1	unit	
8	All-in-One Computer (Clinic-External Campuses)	4	unit	
9	Desktop Set (IEG Froast)	1	unit	
	(See Technical Specification at Section VII)			
	Contract Implementation: 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.			

	schedule at le delivery.	ast thre	ee (3) calendar days	before the actual			
Prepare	ed by:			Noted by:			
	RYAN MICH cal Working G		M. ROVILLOS MIS	ENGR. ROGI Director, MIS	ELIO	DC. P	IMENTEL
	OVEN L. CU						
I under	take to comply	y and o	leliver all the abov	re requirements:			
	mpany Name dress	:				_	
AU	THORIZED I	REPRI	ESENTATIVE:				
U	nature	:					

Date

Section VII. Technical Specifications

Item	Description	Qty./ unit	Statement of Compliance
	LOT 1		
1	All-in-One Computer (IQAO)	3/unit	Bidders
	• Display: 19.5" LED Screen, 1920 x 1080 Resolution, IPS		must state
			here either
	Processor: Intel Core i5-8400T CPU 8th Gen 3.30 Ghz (or higher)		"Comply"
	Memory: 8GB 2666MHz DDR4 (or higher)		
	Hard Disk Drive: 1 TB 7200 RPM Sata HDD		or "Not
	 Optical Disk Drive: DVD\CD Drive (Built-in) 		Comply"
	 Graphics Coprocessor: 2GB VRAM (or higher) 		1 4
	•Connectivity: 10/100/1000 Gigabit Ethernet, 802.11b/g/n Wireless LAN		against each of the
	Operating System: Windows 10 Home 64 bit Licensed		
	 Microsoft Office: Office 2019 Standard (Licensed w/ Product Key) 		individual
	Peripherals: Keyboard & Optical Mouse, Power Adapter		parameters
	• Warranty: Minimum of 1-year parts, labor and onsite services		of each
2	All-in-One Computer (COE-10, Pres. Office-1)	11/unit	Specificati
	Specifications:		on stating
	• Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher)		the
	• Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache)		correspond ing
	RAM: 8GB DDR4 2666 MHz (or higher)		
	• Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher)		performanc e
	Graphics Coprocessor: 2 GB GDDR5 (or higher)		
	Connectivity: 802.11ac Wi-Fi, Bluetooth® 5		parameter
	Speaker and Microphone: Built-in		of the
	Camera: 720p HD resolution (or higher)		equipment
	• Ports: USB 3.1 Type A, USB 3.1 Type C, RJ-45, Ethernet, Microphone / headset jack, HDMI, Power input		offered.
	Operating System: Windows 10 Home 64 bit, English		Statements
	Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)		of

	• Peripherals: Keyboard (same brand as the computer), Optical Mouse (same brand as the computer), Power Cord,		"Comply"
	AC Adapter		or "Not
	• Warranty: Minimum of 1-year parts, 1-year labor and 1-year onsite		Comply"
3	All-in-One Computer (CICT-26, Chancellor Ext1)	27/unit	must be
	Specifications:		
	Processor: 10th Gen Intel Core i3 or Higher		supported
	Operating System: Windows 10 Home 64 bit, English		by
	Graphics: 2 GB memory or higher		1
	Memory: 8 GB memory or higher		evidence in
	Storage: 1 TB HDD		a Bidders
	Webcam: HD Cam		Bid and
	Microphone: Built-in		
	Audio: 2x 3W speakers		cross-
	• Wireless LAN: 802. 11AC, 1x1, Wi-Fi + Bluetooth 4.0		referenced
	• Ports: USB 3.0, USB 2.0, HDMI, 3 in 1 card reader (SD, SDHC, SDXC), 10/100/1000 LAN, Combo audio/microphone jack		to that evidence.
	Power Supply: Manufacturer Standard		1
	• Display: 21.5" FHD 1080p, 250 nits, antiglare, near borderless, 10-point touch		Evidence shall be in
	Microsoft Office: Office 2019 Standard (Licensed w/ Product Key)		the form of
	• Bundled Accessories: Keyboard and Mouse, wired or wireless		manufactur
4	Desktop Set (MIS)	1/unit	er's un-
	Specifications:		amended
	CPU: AMD Ryzen 5 - 3600 or higher		
	Motherboard: B550 chipset with Wi-Fi or better		sales
	RAM: 16GB DDR4 3200MHz or higher		literature,
	GPU: RX 5700 XT or equivalent		unconditio
	OS Drive Type: M.2 NVME SSD		
	OS Drive Size: 500GB or higher		nal
	Data Drive Type: HDD 7200RPM		statements
	Data Drive Size: 1TB or higher		
	PSU: 700W 80+ Bronze Rating		of
	Monitor: 24" LED IPS 1080p or better		specificatio
	Peripherals: Keyboard, Mouse and AVR		$\frac{1}{n}$ and
	OS: Microsoft Windows 10 Home 64bit, English		
	Warranty: One (1) year or higher		compliance
5	Wifi – 6 Router (COE)	3/unit	

	Specifications:		issued by
	Network Standards: IEEE 802.11a/b/g/n/ac/ax, IPv4, IPv6		_
	• Data Rate: 802.11ax (2.4GHz): up to 1.2 Gbps, 802.11ax		the
	(5GHz): up to 4.8 Gbps, 802.11a/b/g/n/ac backwards compatible		manufactur
	Processor: 1.8 GHz quad-core processor (or higher)		er,
	Memory: 256 MB Flash, 1 GB RAM (or higher)		
	Wi-Fi Technology: OFDMA (Orthogonal Frequency Division Multiple Access)		samples, independen
	• Beamforming: Standard-based and universal 1024-QAM high data rate, 20/40/80/160 MHz bandwidth		t test data
	Operating Frequency: 2.4 GHz / 5 GHz		
	Antenna: Minimum of 4 external antennas		etc., as
	Transmit/Receive: 2.4 GHz 4 x 4		appropriate
	• Encryption: WPA2-PSK, WPA-PSK, WPA-Enterprise, WPA2-Enterprise, WPS support		. A
	Firewall: SPI intrusion detection, DoS protection		statement
	Access Control: With network service, URL and port filters		that is not
	• WAN Connection Type: Internet connection type: Automatic IP, Static IP, PPPoE (MPPE supported), PPTP, L2TP		supported
	 Ports: RJ45 for Gigabits BaseT for WAN, RJ45 for Gigabits BaseT for LAN, USB 3.1 Gen 1 		by
	• LED Indicators: Power, Wi-Fi, WAN, LAN, USB, WPS		evidence
	• Button: WPS Button, Reset Button, Power Button, Wireless on/off Button		or is
	Warranty: Minimum of 1 year for parts and service		subsequent
6	Rackmount Server (Planning Office)	1/unit	ly found
	Specifications:		_
	Form Factor: 1U rack-mount		evidence
	Processor: Intel Xeon Silver 4114 2.2GHz (or higher)		presented
	Motherboard: Intel C622 (or higher)		will render
	• Memory: 2x 8GB (16GB) DDR4 up to 12 DIMM sockets (or higher)		the Bid
	• Storage Drive: 5x 2.4TB 2.5" (10TB) 10K RPM SAS Hotswapable HDDs, HDD Bay – 8x 2.5" (or higher)		under
	Graphics: Resolution Support – 1920x1200 at 60Hz		evaluation
	• Connectivity: Integrated 1 GbE RJ-45 ports (or higher), RJ-45 10/100/1000 Ethernet systems management port (or		liable for
	higher)		rejection.
	 Software: Windows Storage Servers 2016 Standard Edition or higher 		A
	Power Supply: 550W HS PSU, up to two redundant hot swap PSU (or higher)		statement

		1	
	 Peripherals: Power Cords, Mounter, User's Manual, Warranty Cards 		either in
	Warranty: Minimum of 1 year for parts and services		the Bidders
7	All-in-One Computer (IEG FROAST)	1/unit	1
	Specifications:		statement
	Display: 21.5" Display, 4096-by-2304 Resolution		of
	Processor: 3.0GHz 6-core Intel Core i5 (or higher)		compliance
	Memory: 8GB DDR4 (or higher)		
	Storage Drive: 1 TB Fusion Drive (or higher)		or the
	Camera: 720p HD Resolution (or higher)		supporting
	Graphics Coprocessor: 4GB VRAM of GDDR5 (or higher)		evidence
	Connectivity: 802.11ac Wi-Fi wireless networking, IEEE 802.11a/b/g/n compatible, Bluetooth 4.2 wireless technology		that is
	• Ports: 3.5mm headphone jack, SDXC card slot, USB-A, USB-C, Gigabit Ethernet Port		found to be
	Operating System: MacOS		false either
	Microsoft Office: Office 2019 or later (w/ Product Key)		during Bid
	Peripherals: Keyboard, Mouse, Power Cord, AC Adapter		
	Warranty: Minimum of 1-year parts, 1-year labor and 1-year		evaluation,
8	onsite All-in-One Computer (Clinic-External)	4/unit	post-
_	All-III-One Computer (Cililic-External)	.,	
	• • • • • • • • • • • • • • • • • • • •		qualificatio
	Specifications:		qualificatio
	• • • • • • • • • • • • • • • • • • • •		n or the
	Specifications: • Display: 23.8" LED, Full HD resolution (1920x1080), slim,		n or the execution
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 		n or the execution of the
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) 		n or the execution of the Contract
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 		n or the execution of the Contract may be
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) 		n or the execution of the Contract
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) 		n or the execution of the Contract may be
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 		n or the execution of the Contract may be regarded as fraudulent
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in 		n or the execution of the Contract may be regarded as fraudulent and render
	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in Camera: 720p HD resolution (or higher) 		n or the execution of the Contract may be regarded as fraudulent and render the Bidder
9	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in Camera: 720p HD resolution (or higher) OS: Microsoft Windows 10 Home 64bit, English Microsoft Office: Office 2019 Standard (Licensed w/ Product 	1/unit	n or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier
9	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCIe NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in Camera: 720p HD resolution (or higher) OS: Microsoft Windows 10 Home 64bit, English Microsoft Office: Office 2019 Standard (Licensed w/ Product Key) 		n or the execution of the Contract may be regarded as fraudulent and render the Bidder
9	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in Camera: 720p HD resolution (or higher) OS: Microsoft Windows 10 Home 64bit, English Microsoft Office: Office 2019 Standard (Licensed w/ Product Key) Desktop Set (IEG Froast) 		n or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for
9	 Specifications: Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) RAM: 8GB DDR4 2666 MHz (or higher) Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) Graphics Coprocessor: 2 GB GDDR5 (or higher) Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 Speaker and Microphone: Built-in Camera: 720p HD resolution (or higher) OS: Microsoft Windows 10 Home 64bit, English Microsoft Office: Office 2019 Standard (Licensed w/ Product Key) Desktop Set (IEG Froast) Specification: Monitor: 24" LED Screen, 1920 x 1080 Full HD Resolution Processor: Intel Core i7 – 10th Gen (higher or equivalent to 		n or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecutio
9	 • Display: 23.8" LED, Full HD resolution (1920x1080), slim, with anti-glare coating, non-touch (or higher) • Processor: 11th Generation Intel Core i7 processor (4 cores, 8 threads, 12MB Cache) • RAM: 8GB DDR4 2666 MHz (or higher) • Storage: 256GB M.2 PCle NVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage) (or higher) • Graphics Coprocessor: 2 GB GDDR5 (or higher) • Connectivity: 802.11ac Wi-Fi, Bluetooth® 5 • Speaker and Microphone: Built-in • Camera: 720p HD resolution (or higher) • OS: Microsoft Windows 10 Home 64bit, English • Microsoft Office: Office 2019 Standard (Licensed w/ Product Key) Desktop Set (IEG Froast) Specification: • Monitor: 24" LED Screen, 1920 x 1080 Full HD Resolution 		n or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for

•Storage Drive: 240GB SSD (or higher), 1 TB HDD (or higher)	the
•Graphics Processing Unit (GPU): 8GB VRAM (or higher)	provisions
•Motherboard, CPU Socket: LGA1200 (higher or equivalent to the other brand), 10/100/1000 Gigabit Ethernet, USB Port: 3.1, 3.0, 2.0, Audio Port, Mic Port	of ITB Clause
Power Supply Unit (PSU): Branded 750Watts (or higher)	
Operating System: Windows 10 Pro 64 bit	3.1(a) (iii)
•Microsoft Office: Office 2019 (w/ Product Key)	and/or
Peripherals: Power Cords, Keyboard & Optical Mouse	GCC
•Chasis: USB Port: 3.1, 3.0, 2.0, Audio Port, Mic Port, Power Switch, Reset Switch	Clause
•Warranty: Minimum 1 year for parts and service	2.1(a) (ii).
Addendum:	
 Brochure / catalogue of the item being offered ISO Certification of Manufacturer Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator Warranty Certificate from Manufacturer and/or Supplier/Authorized Reseller (Minimum of One (1) Year of Parts, Labor and Onsite Services) for Computers only List of Available Service Centers for parts, services and repairs within or near Bulacan Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) otherwise state "Not Applicable" Contract Implementation:	
The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.	

Prepared by: Noted by:

MR. BRYAN MICHAEL M. ROVILLOS

ENGR. ROGELIO DC. PIMENTEL

Technical Working Group - MIS Director, MIS

MR. JOVEN L. CUARTEROS

Technical Working Group - MIS

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, the same shall give rise to automatic disqualification of our bid:

Company Name	:	
Address	:	
AUTHORIZED 1	REPR	ESENTATIVE:
Signature	:	
Complete Name	:	
Date		

Section VI. Schedule of Requirements The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which

is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	LOT 2			Sixty (60)
1	Laptop (Research Office)	1	unit	Calendar
2	Laptop (Planning Office)	2	unit	Days upon receipt of
3	Laptop (Planning Office)	1	unit	Notice to
4	Laptop (Planning Office)	1	unit	Proceed.
5	Laptop (Planning Office)	1	unit	
6	Laptop (IEG Froast)	1	unit	
7	Laptop (TTUSO)	3	unit	
	(See Technical Specification at Section VII) Contract Implementation: 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual			

Prepared by:	Noted by:
MR. BRYAN MICHAEL M. ROVILLOS Technical Working Group - MIS	ENGR. ROGELIO DC. PIMENTEL Director, MIS
MR. JOVEN L. CUARTEROS Technical Working Group - MIS	

ndertake to comply	y and	deliver all the above requirements:
Company Name	:	
Address	:	
AUTHORIZED F	REPR	ESENTATIVE:
Signature	:	
Complete Name	:	
Date		

Section VII. Technical Specifications

Item	Description	Qty./ unit	Statement of Compliance
	LOT 2		
1	Laptop (Research Office)	1/unit	Bidders must
	Specifications:		state here
	Display: 13.3-inch (diagonal) LED-backlit display with		either
	IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors		
	- Supported scaled resolutions: 1680 by 1050, 1440 by		"Comply" or
	900, 1024 by 640		"Not Comply"
			against each of
	- 500 nits brightness		the individual
	- Wide color (P3)		parameters of
	Chip: M1 chip, 8-core CPU with 4 performance cores		^ .
	and 4 efficiency cores, 8-core GPU, 16-core Neural		each
	Engine		Specification
	Memory: 8GB unified memory		stating the
	Storage: 512GB SSD storage		corresponding
	Connectivity:		performance
	Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE		1
	802.11a/b/g/n/ac compatible,		parameter of
	Bluetooth: Bluetooth 5.0 wireless technology		the equipment
	Camera: 720p FaceTime HD camera		offered.
	Charging and Expansion: Four Thunderbolt 3 (USB-C)		Statements of
	ports with support for: Charging, DisplayPort,		"Comply" or
	Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)		"Not Comply"
	Gbps) • Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys		1 1
	including 4 arrow keys in an inverted-T arrangement		must be
	- Touch Bar		supported by
	- Touch ID sensor		evidence in a
	Ambient light sensor		Bidders Bid
			and cross-
	• Video Support: Simultaneously supports full native resolution on the built-in display at millions of colors and:		
	One external display with up to 6K resolution at 60Hz		referenced to
<u> </u>			

	Audio: Stereo speakers with high dynamic range, Wide		that evidence.
	stereo sound		Evidence shall
	 Support for Dolby Atmos playback 		be in the form
	- Studio-quality three-mic array with directional beamforming		of manufacturer's
	- 3.5mm headphone jack		un-amended
	Operating System: macOS		sales literature,
	Color: Space Gray or Silver		,
	• Warranty: Minimum of 1 year on parts, labor and services		unconditional statements of
2	Laptop (Planning Office)	2/unit	specification
	Specifications:		and
	Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors		compliance issued by the
	- Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640		manufacturer, samples,
	- 500 nits brightness		independent
	- Wide color (P3)		test data etc.,
	• Chip: 2.0 GHz quad-core 10 th Generation Intel Core i5 Processor, Turbo Boost up to 3.8 GHz		as appropriate.
	Memory: 8GB unified memory		A statement
	Storage: 512GB SSD storage		that is not
	Connectivity:		supported by
	Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,		evidence or is subsequently
	Bluetooth: Bluetooth 5.0 wireless technology		found
	Camera: 720p FaceTime HD camera		evidence
	• Charging and Expansion: Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps)		presented will render the Bid under
	 Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys including 4 arrow keys in an inverted-T arrangement Touch Bar 		evaluation liable for rejection. A
	- Touch ID sensor		
	Ambient light sensor		statement

	Video Support: Simultaneously supports full native resolution on the built-in display at millions of colors and: One external display with up to 6K resolution at 60Hz		either in the Bidders statement of compliance or the supporting
	 Audio: Stereo speakers with high dynamic range, Wide stereo sound Support for Dolby Atmos playback Studio-quality three-mic array with directional beamforming 3.5mm headphone jack Operating System: macOS Color: Space Gray or Silver Microsoft Office: Office 2019 (w/ Product Key) 		evidence that is found to be false either during Bid evaluation, post-qualification or the
	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		
	Warranty: Minimum of 1 year on parts, labor and		execution of
3	Laptop (Planning Office)	1/unit	the Contract
	Specifications:		•
	 Processor: Intel Core i7-11370H Processor 3.3 GHz, 4 cores (12M Cache, up to 4.8GHz) GPU: NVIDIA® GeForce RTX™ 3070 Laptop, 8GB GDDR6 Display: 15.6-inch, FHD (1920 x 1080), 16:9, anti-glare 		may be regarded as fraudulent and render the
	display, Refresh Rate:144Hz, Value IPS-level, Adaptive- Sync		Bidder or
	•Memory: 8GB DDR4-3200 SO-DIMM		supplier liable
	•Camera: 720p HD camera		for prosecution
	•Storage: M.2 NV Me PCIe 3.0 SSD or higher		subject to the
	•Network and Communication: Wi-Fi 6(802.11ax) +Bluetooth 5.1 (Dual band) 2*2		provisions of ITB Clause
	•Battery: 76WHrs, 4S1P, 4-cell Li-ion		
	•Power Supply: 6.0, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100-240V AC, 50/60Hz universal		3.1(a) (iii) and/or GCC
	Operating System: Windows 10 Home 64bit, English		Clause 2.1(a)
	•Application Software: Microsoft Office 2019 (w/ Product Key)		(ii).
	•Warranty: Minimum of 1 year on parts, labor and		
4	services Lanton (Planning Office)	1/unit	
	Laptop (Planning Office) Specifications:	.,	
	•		
	• Display: 15" LED Screen (or higher), 1920 x 1080 FHD Resolution, 144 Hz., IPS		

Processor: Intel Core i7 – 10th Gen (or higher) Memory: 8 GB DDR4 SO-DIMM (or higher) Storage Drive: 512GB SSD or higher Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0 Operating System: Windows 10 Home 64 bit Licensed Microsoft Office: Microsoft Office 2019 (w/ Product Key) Battery: 4-cell Li-lon or higher Warranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office) Processor: 2.4GHz 8-core Intel Core i9 GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher Display: 16-inch (diagonal) LED backlit display with IPS betightness, Wide color (P3), True Tone technology Camera: 720p FaceTime HD camera Memory: 16GB 2666MHz DDR4 memory or higher Storage: 512GB M.2 3.0 SSD or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Warranty: Minimum of 1 year on parts, labor and services Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall				
Storage Drive: 512GB SSD or higher Graphics Coprocessor: GTX 1660 TI 6GB DDR6 (or higher) Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0 Operating System: Windows 10 Home 64 bit Licensed Microsoft Office: Microsoft Office 2019 (w/ Product Key) Battery: 4-cell Li-Ion or higher Warranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office) Specifications: Processor: 2.4GHz 8-core Intel Core i9 Operating System: Windows 10 Home 64 bit Licensed Munit Specifications: Processor: 2.4GHz Necroe Intel Core i9 Operating System: Microsoft Microsoft Microsoft Microsoft Office 2019 (w/ Product Key) Memory: 16GB 2666MHz DDR4 memory or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Storage True Bidders Bidders must state here either "Comply" "Not Comply" or "Not Comply" parameter of the individual parameters of each Specification Stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" or "Not Comply		· ·		
Graphics Coprocessor: GTX 1660 TI 6GB DDR6 (or higher) Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0 Operating System: Windows 10 Home 64 bit Licensed Microsoft Office: Microsoft Office 2019 (w/ Product Key) Battery: 4-cell Li-lon or higher Warranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office) Specifications: Processor: 2.4GHz 8-core Intel Core i9 GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology Camera: 720p Face Time HD camera Memory: 16GB 2666MHz DDR4 memory or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Laptop (IEG Froast) Specifications: Supported by evidence in a Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each stating the corresponding parameter of each stating the corresponding parameter of the equipment offered. Statements of "Comply" or "Not Comply" or "Not Comply		Memory: 8 GB DDR4 SO-DIMM (or higher)		
higher) • Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0 • Operating System: Windows 10 Home 64 bit Licensed • Microsoft Office: Microsoft Office 2019 (w/ Product Key) • Battery: 4-cell Li-lon or higher • Warranty: Minimum of 1 year warranty on parts and service 5 Laptop (Planning Office) • Processor: 2.4GHz 8-core Intel Core i9 • GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher • Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology • Camera: 720p FaceTime HD camera • Memory: 16GB 2666MHz DDR4 memory or higher • Storage: 512GB M.2 3.0 SSD or higher • Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology • Battery: Integrated 100-watt-hour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Laptop (IEG Froast) • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness				
Operating System: Windows 10 Home 64 bit Licensed Microsoft Office: Microsoft Office 2019 (w/ Product Key) Battery: 4-cell Li-lon or higher Varranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office) Specifications: Processor: 2.4GHz 8-core Intel Core i9 Operating System: Windows 10 Home 64 bit Licensed Nemony of Planning Office) Processor: 2.4GHz 8-core Intel Core i9 Operating System: Windows 10 Home 64 bit Licensed Must State Mere either "Comply" or Not Comply" against each of the individual parameters of the individual parameters of each Specifications: Nemony: 16GB 2666MHz DDR4 memory or higher Storage: 512GB M.2 3.0 SSD or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported by evidence in a Bidders Bidders Bidders must state here either "Comply" against each of the individual parameters of the individual parameters of each Specification Specification Stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" or				
Microsoft Office: Microsoft Office 2019 (w/ Product Key) Battery: 4-cell Li-lon or higher Warranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office) Specifications: Processor: 2.4GHz 8-core Intel Core i9 OPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology Camera: 720p FaceTime HD camera Memory: 16GB 2666MHz DDR4 memory or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported to the equipment of the equipment of supported to the equipment of supported to the equipment of supported to the equipment offered. Statements of "Comply" or "Not Comply" or "Not Comply" or "Not Comply" or "Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported Scaled resolutions: 1680 by 105		Connectivity: 10/100/1000 LAN Card, Bluetooth 5.0		
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Warranty: Minimum of 1 year warranty on parts and service Laptop (Planning Office)		Microsoft Office: Microsoft Office 2019 (w/ Product Key)		
service 5 Laptop (Planning Office) Specifications: • Processor: 2.4GHz 8-core Intel Core i9 • GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher • Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology • Camera: 720p FaceTime HD camera • Memory: 16GB 2666MHz DDR4 memory or higher • Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology • Battery: Integrated 100-watt-hour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness		Battery: 4-cell Li-lon or higher		Bidders
Specifications: Processor: 2.4GHz 8-core Intel Core i9 GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology Camera: 720p FaceTime HD camera Memory: 16GB 2666MHz DDR4 memory or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Specifications: "Comply" or "Not Comply" against each of the individual parameters of the individual parameters of whith individual parameters of each Specification Stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" or "Not Comply" or "Not Comply" or "Not Comply" or "Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported scaled resolutions: 1680 by 1050, 1440 by evidence in a Bidders Bid and cross-referenced to that evidence.				
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GPU: AMD Radeon Pro 5300M with 4GB of GDDR6 memory or higher Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology Camera: 720p FaceTime HD camera Memory: 16GB 2666MHz DDR4 memory or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Applications: Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Solution is provided to the individual parameters of the individual parameters of each Specification Specification Stating the corresponding performance parameter of the equipment		Specifications:		"Comply" or
memory or higher • Display: 16-inch (diagonal) LED backlit display with IPS technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology • Camera: 720p FaceTime HD camera • Memory: 16GB 2666MHz DDR4 memory or higher • Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology • Battery: Integrated 100-watt-hour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness		Processor: 2.4GHz 8-core Intel Core i9		"Not Comply"
technology, Retina display, 3072 by 1920 pixels, 500 nits brightness, Wide color (P3), True Tone technology • Camera: 720p FaceTime HD camera • Memory: 16GB 2666MHz DDR4 memory or higher • Storage: 512GB M.2 3.0 SSD or higher • Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology • Battery: Integrated 100-watt-hour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Laptop (IEG Froast) • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 • Tool nits brightness				
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Storage: 512GB M.2 3.0 SSD or higher Network and Communication: 802.11ac Wi-Fi, Bluetooth 5.0 wireless technology Battery: Integrated 100-watt-hour lithium polymer battery Power Supply: 96W USB-C Power Adapter Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Statements of "Comply" or "Not Comply" must be supported by and cross-referenced to that evidence.		<u> </u>		Specification
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Bluetooth 5.0 wireless technology • Battery: Integrated 100-watt-hour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Laptop (IEG Froast) Specifications: • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 • 500 nits brightness				
• Battery: Integrated 100-wait-nour lithium polymer battery • Power Supply: 96W USB-C Power Adapter • Operating System: macOS • Application Software: Microsoft Office 2019 (w/ Product Key) • Warranty: Minimum of 1 year on parts, labor and services • Laptop (IEG Froast) • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 • Sometiments of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence.		,		1
Operating System: macOS Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence.		, ,		
 Application Software: Microsoft Office 2019 (w/ Product Key) Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. 		Power Supply: 96W USB-C Power Adapter		the equipment
Key) • Warranty: Minimum of 1 year on parts, labor and services • Laptop (IEG Froast) • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 • 500 nits brightness "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence.		Operating System: macOS		
 Warranty: Minimum of 1 year on parts, labor and services Laptop (IEG Froast) Specifications: Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 Supported scaled resolutions: 1680 by 1050, 1440 by ereferenced to that evidence. 		Application Software: Microsoft Office 2019 (w/ Product		Statements of
services 6 Laptop (IEG Froast) Specifications: • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors - Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness Not Comply must be supported by evidence in a Bidders Bid and cross-referenced to that evidence.				"Comply" or
Specifications: • Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors • Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 • 500 nits brightness supported by evidence in a Bidders Bid and cross-referenced to that evidence.				_ ;
Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 -500 nits brightness evidence in a Bidders Bid and cross-referenced to that evidence.	6	Laptop (IEG Froast)	1/unit	
IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors - Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness Bidders Bid and cross-referenced to that evidence.		Specifications:		supported by
pixels per inch with support for millions of colors - Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640 - 500 nits brightness Bidders Bid and cross-referenced to that evidence.		1		evidence in a
900, 1024 by 640 - 500 nits brightness referenced to that evidence.				Bidders Bid
- 500 nits brightness that evidence.		''		and cross-
E-11-11				
- Wide color (P3) Evidence shall		- 500 nits brightness		that evidence.
		- Wide color (P3)		Evidence shall

	• Chip: M1 chip, 8-core CPU with 4 performance cores and 4 efficiency cores, 7-core GPU, 16-core Neural		be in the form
	Engine		of
	Memory: 8GB unified memory (or higher)		manufacturer's
	Storage: 256GB SSD storage (or higher)		un-amended
	Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE 802.11a/b/g/n/ac compatible,		sales literature,
	Bluetooth: Bluetooth 5.0 wireless technology		unconditional statements of
	Camera: 720p FaceTime HD camera		
	• Keyboard and Trackpad: 78 (U.S.) or 79 (ISO) keys including 12 function keys and 4 arrow keys in an inverted-T arrangement.		specification and
	Ambient light sensor		compliance
	Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures		issued by the manufacturer, samples,
	Video Support: One external 6K display with up to 6K resolution at 60Hz		independent
	Audio: Stereo speakers		test data etc.,
	-Wide stereo sound		as appropriate. A statement
	- Support for Dolby Atmos playback		that is not
	- Three mic array with directional beamforming		supported by
	- 3.5mm headphone jack		evidence or is
	Operating System: macOS		subsequently
7	Laptop (TTUSO)	3/unit	found
	Specifications:		evidence
	• Display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors		presented will render the Bid
	- Supported scaled resolutions: 1680 by 1050, 1440 by 900, 1024 by 640		under
	- 500 nits brightness		evaluation liable for
	- Wide color (P3)		rejection. A
	• Chip: M1 chip, 8-core CPU with 4 performance cores		statement
	and 4 efficiency cores, 8-core GPU, 16-core Neural Engine		
	Memory: 8GB unified memory		
	Storage: 256GB SSD storage		Bidders

Connectivity:	statement of
Wi-Fi: 802.11ax Wi-Fi 6 wireless networking; IEEE	compliance or
802.11a/b/g/n/ac compatible,	the supporting
Bluetooth: Bluetooth 5.0 wireless technology	evidence that
Camera: 720p FaceTime HD camera	is found to be
• Charging and Expansion: Four Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort,	false either
Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10	during Bid
Gbps)	evaluation,
• Keyboard and Trackpad: 65 (U.S.) or 66 (ISO) keys including 4 arrow keys in an inverted-T arrangement	post-
- Touch Bar	qualification
Touch ID concer	or the
- Touch ID sensor Ambient light sensor	
Video Support: Simultaneously supports full native	execution of
resolution on the built-in display at millions of colors and:	the Contract
One external display with up to 6K resolution at 60Hz	may be
Audio: Stereo speakers with high dynamic range, Wide	regarded as
stereo sound	fraudulent and
- Support for Dolby Atmos playback	render the
- Studio-quality three-mic array with directional	Bidder or
beamforming	
- 3.5mm headphone jack	supplier liable
	for prosecution
Operating System: macOS	subject to the
Color: Space Gray or Silver	provisions of
Warranty: Minimum of 1 year on parts, labor and services	ITB Clause

 Brochure / catalogue of the item being offered ISO Certification of Manufacturer Manufacturer's Authorization Form or Certific Authorized Distributor/Reseller or Certificate Registration as Manufacturer/Fabricator Warranty Certificate from Manufacturer and/Supplier/Authorized Reseller (Minimum of On Year of Parts, Labor and Onsite Services) List of Available Service Centers for parts, se and repairs within or near Bulacan Very satisfactory performance rating from the concerned end-user unit (for previous supplied BulSU) otherwise state "Not Applicable" 	ate as of or ne (1) ervices	3.1(a) (iii) and/or GCC Clause 2.1(a) (ii).
 Contract Implementation: The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar day before the actual delivery. 		
Prepared by:	Noted by:	
	ENGR. ROGELIO Director, MIS	DC. PIMENTEL
MR. JOVEN L. CUARTEROS Technical Working Group - MIS		
I undertake to comply and deliver all the above requif found false either during evaluation or post-qua automatic disqualification of our bid:		
Company Name :		
AUTHORIZED REPRESENTATIVE:		
Signature : Complete Name : Date :		

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty.	Unit	Delivered, Weeks/Months
	LOT 3			Sixty (60)
1	Android Tablet (CBS)	1	unit	Calendar
2	Tablet (IEG Froast)	1	unit	Days upon receipt of
3	Tablet (IEG Froast)	1	unit	Notice to
	(See Technical Specification at Section VII) Contract Implementation: 1. The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.			Proceed.

	delivery.	asi iiiie	e (3) caleriu	ai days beio	e trie actual			
Prepare	ed by:				Noted by:			
	RYAN MICH cal Working G			LOS	ENGR. ROG Director, MIS		DC. P	IMENTEL
MR. JOVEN L. CUARTEROS Technical Working Group - MIS								
I under	take to comply	and d	eliver all the	e above req	uirements:			
	mpany Name dress	: _ : _						
AU	THORIZED R	REPRE	SENTATIV	/E:				
U	nature nplete Name	: _						

Section VII. Technical Specifications

Item	Description	Qty./ unit	Statement of Compliance
	LOT 3		
1	Android Tablet (CBS)	1/unit	Bidders must
	Specifications:		state here either
	OS: Android 9.0 (Pie) or latter version		"Comply" or
	Chipset: Qualcomm or Exynos		"Not Comply"
	CPU: Octa-core 1.7GHz-2.8GHz		_ · ·
	RAM: 8GB		against each of
	GPU: Adreno 600 or Higher		the individual
	Internal Memory: 256GB		parameters of
	External Memory: Dedicated Slot		each
	Display: 10.5 inches Super AMOLED		Specification
	WLAN: Wi-Fi 802.11 a/b/g/n/ac, Dual-Band, Wi-Fi Direct,		stating the
	Hotspot		
	Bluetooth: 5.0 or Latter		corresponding
	USB: 3.1 or Latter		performance
	Battery Capacity: 6000 mAh or Higher		parameter of the
2	Tablet (IEG Froast)	1/unit	equipment
	Specifications:		offered.
	• Display: Size: 10.4", Resolution: 2000 x 1200		Statements of
	(WUXGA+)		"Comply" or
	Toohnology, TET		"Not Comply"
	Technology: TFT		
	Color Depth: 16M		must be
	Capacity: 128GB, External Memory Support: MicroSD		supported by
	(Up to 1TB)		evidence in a
	Memory: 4GB RAM		Bidders Bid and
	• Processor: CPU Speed - up to 2.3 GHz, CPU Type -		cross-referenced
	Octa-Core • Camera: Rear Camera: 8.0 MP, Front Camera: 5.0 MP,		to that evidence.
	Video Recording Resolution: FHD (1920 x 1080) @ 30fps		
	• Speaker: Stereo speakers		Evidence shall
	Microphones: Video Recording and Audio Recording		be in the form of
	Connectivity: ANT+: Yes, USB Version: USB 2.0,		manufacturer's
	Location Technology: GPS, Glonass, Beidou, Galileo,		un-amended
	Earjack: 3.5mm Stereo, Wi-Fi: 802.11 a / b / g / n / ac		sales literature,
	2.4G+5GHz, VHT80 MIMO, Wi-Fi Direct: Yes, Bluetooth		unconditional
	Version: Bluetooth v5.0, Bluetooth Profiles: A2DP,		_
	AVRCP, DI, HFP, HID, HOGP, HSP, MAP, OPP, PAN,		statements of
	PBAP, PC Sync.: Smart Switch (PC version)		

	 Audio and Video: Video Playing Format: MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM 		specification and compliance
	Audio Playing Format: MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA		issued by the manufacturer, samples,
	• Sensors: Accelerometer, Gyro Sensor, Hall Sensor,		independent test
	• Operating System: Android		data etc., as
	Power and Battery: Battery Capacity: 7040		appropriate. A
	Charging via power adapter or USB to computer system		statement that is
	Peripherals: Power Adapter (Charger), Warranty Card, User Manual		not supported by evidence or is
2	Tablet (IEG Froast)	1/unit	subsequently
	Specifications:		found evidence
	•Display: 12.9-inch edge-to-edge Liquid Retina display with ProMotion, True Tone, and P3 wide color, 2732-by-2048-pixel resolution at 264 pixels per inch (ppi)		presented will render the Bid
	•Capacity: 256GB		under evaluation
	Chip: A12Z Bionic chip with Neural Engine		liable for
	•Camera: Rear Camera - 12MP Wide camera, 10MP Ultra Wide camera, Front Camera - 7MP TrueDepth front camera		rejection. A statement either
	•Speaker: Four speaker audio		in the Bidders
	•Microphones: Five studio-quality microphones		statement of
	•Connectivity: 802.11ax Wi-Fi 6, simultaneous dual band (2.4GHz and 5GHz) HT80 with MIMO, Bluetooth 5.0 technology		compliance or the supporting evidence that is
	•Sensors: Face ID, LiDAR Scanner, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor •Operating System: iOS		found to be false either during Bid
	•Power and Battery: Built-in 36.71-watt-hour		evaluation, post-
	rechargeable lithium-polymer battery		qualification or
	•Inclusion: Warranty Card, Power Adapter (Charger), USB-C Cord		the execution of the Contract
	•Warranty: Minimum of 1 year for parts and service		Contract

Addendum:

- 1. Brochure / catalogue of the item being offered
- 2. ISO Certification of Manufacturer
- Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator
- Warranty Certificate from Manufacturer and/or Supplier/Authorized Reseller (Minimum of One (1) Year of Parts, Labor and Onsite Services)
- 5. List of Available Service Centers for parts, services and repairs within or near Bulacan
- 6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) otherwise state "Not Applicable"

Contract Implementation:

 The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery. may be regarded fraudulent as and render the Bidder supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii).

Prepared by: Noted by:

MR. BRYAN MICHAEL M. ROVILLOS

ENGR. ROGELIO DC. PIMENTEL

Technical Working Group - MIS

Director, MIS

MR. JOVEN L. CUARTEROS

Technical Working Group - MIS

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, the same shall give rise to automatic disqualification of our bid:

Company Name	:	
Address	:	
AUTHORIZED I	REPRI	ESENTATIVE:
Signature	:	
Complete Name	:	
Date	:	