Standard Form Number: SF-GOOD-13a
Revised on: July 28, 2004

Statement / List of all Ongoing Government & Private Contracts including contracts awarded but not yet started

Business Name   : _____
Business Address : _____

Name of Contract/ Project Cost	Owner's Name a. Address b. Telephone Nos.	Nature of Work	Bidder's Role		Date Awarded a. Date Started b. Date of Completion	% of Accomplishment		Value of Outstanding Works / Undelivered Portion
	a. b. c.		Description	%	a. b. c.	Planned	Actual	
Government								
Private								
					Total Cost			

Submitted by   : _____
                 (Printed Name & Signature)
Designation   : _____
Date   : _____

Standard Form Number: SF-GOOD-13b
Revised on: July 28, 2004

Statement / List of all Government & Private Contracts completed which are similar in nature

Business Name   :
Business Address   :

Name of Contract	Owner's Name Address Telephone Nos.	Nature of Work	Bidder's Role		Amount at Award Amount at Completion Duration	Date Awarded Contract Effectivity Date Completed
	d. e. f.		Description	%	d. e. f.	a. b. c.
Government						
Private						

Note: This statement shall be supported with:

1   Contract or Purchase Order; AND
2   Certificate of Acceptance or Official Receipt(s) of Last Payment

Submitted by   : _____
                                (Printed Name & Signature)

Designation   : _____
Date   : _____

FINANCIAL DOCUMENTS FOR ELIGIBILITY CHECK

A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

		Year 20
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = K (current asset – current liabilities) minus value of all outstanding works under ongoing contracts including awarded contracts yet to be started

NFCC = P _____

$K = 15$

Relevance

Submitted by:

_____

Name of Supplier / Distributor / Manufacturer

_____

Signature of Authorized Representative

Date : _____

NOTE:

1. If Partnership or Joint Venture, each Partner or Member Firm of Joint Venture shall submit the above requirements.

Section X. Schedule of Bidding Activities

Schedule of Bidding Activities

Bidding for the Procurement of IT Equipment and Software 2018

SCHEDULE OF BIDDING ACTIVITIES*

No.	ACTIVITIES	DATE/SCHEDULE (2018)	Days
1	Pre-Procurement Conference	Sept 7 @ 10AM	Thu
2	Posting / Publication of Invitation to Bid	Website & BCDA Premises – Sept 12 - 18	Wed-Tue
3	Issuance of Availability of Bidding Documents	Sept 12 – Oct 3 (8AM – 5PM) Oct 4 (8AM - 1PM)	Wed-Wed Thur
4	Pre-Bid Conference	Sept 20 @ 10:00 AM	Thur
5	Last day for Request for Clarification	Sept 24	Mon
6	Last day for issuance of Supplemental/Bid Bulletin, if any	Sept 26	Wed
7	Deadline for Submission of the ff: • Eligibility Requirements • Financial Proposal	Oct 4 @ 01:00 PM	Thur
8	Opening of the ff: • Eligibility Requirements • Financial Proposal	Oct 4 @ 02:00 PM	Thur
9	Bid Evaluation (TWG's detailed evaluation of the submitted bids	Oct 5 - 8	Fri-Mon
10	Sending of Letters to the Bidder with LCB or succeeding LCB (if any)	Oct 9	Tue
11	Post Qualification on the Bidder with LCB or succeeding LCB (if any)	Oct 11	Thur
12	Deliberation of Results of Post qualification	Oct 12	Fri
13	Issuance of BAC's Recommendation (based on the result of Post Qual)	On or before Oct 16	Tue
14	Approval of BAC Resolution and Issuance of Notice of Award*	On or before Oct 19	Fri
15	Issuance of Notice to Proceed	On or before Oct 24	Wed

Subject to change

TECHNICAL SPECIFICATIONS COMPLIANCE FORM

LOT NO.	ITEMS	SPECIFICATIONS	Compliant	Non-compliant
A 1	55 units	**Desktop - All-In-One PC Configuration**		
		• Intel Core i5-8500 3.0 8th Gen		
		• 8GB DDR4, 2400 MHz 2666		
		• 1TB SATA3 7200RPM		
		• Wireless LAN 802.11 ac + BT4.0		
		• Ports: LAN port, USB 3.0, Display port, Audio jack(s), Card reader		
		• 23.8" Non-Touch		
		• Integrated HD Graphics		
		• 9.5 DVDWR		
		• Genuine Microsoft Windows 10 Pro 64 bit		
		• USB Keyboard and Optical Mouse (same brand)		
		• Branded (Globally Known Brand)		
		• Warranty: 3/3/3 AiO		
		• 650 VA UPS		
		• Warranty for the UPS: 2 years, battery: 1 year		
		• Complete documentation of all the components.		
2	20 units	**Notebook PC**		
		• Intel Core i5 -7200U 430 7th Generation		
		• 13.3 inch LED Anti-glare		
		• 8GB DDR4 2400 SDRAM (1 x 8 GB)		
		• 1TB 5400 RPM HDD		
		• 2.0/3.0 USB Ports, VGA Port, DisplayPort, RJ45		
		• Backlit Keyboard		
		• 3 cell 44WHr Battery (3 yr Warranty)		
		• Fingerprint Reader		
		• WLAN ac 2x2 + BT		
		• with bundled software		
		• Genuine Microsoft Windows 10 Pro 64 bit		
		• Optical Mouse (same brand)		
		• Branded (Globally Known Brand)		
		• Warranty: 3 years Parts and Labor		
		• With Carrying Case,		
3	3 units	**PC Workstation**		
		• Intel Core i7-7700K 8M 4C 4.2 8M 4C CPU		
		• 16GB 2400 MHz DDR4 Non-ECC		
		• 1 TB SATA (7,200 Rpm) Hard Drive		
		• 4 GB 3100 Graphics		

			• DVD Writer		
			• 10/100/1000, Integrated Gigabit Ethernet		
			• USB 2.0, USB 3.0, DVI, Display ports, Audio In/Out		
			• Integrated Intel SATA Controller		
			• Intel Wireless 8260 ac card		
			• 23" Full-HD Monitor		
			• Keyboard and Optical Mouse		
			• with bundled software		
			• Genuine Microsoft Windows 10 Pro 64 bit		
			• Branded (Globally Known Brand)		
			• Warranty: 3 years parts and labor and service (3/3/3)		
			• 650 VA UPS		
			• Warranty for the UPS: 2 years, battery: 1 year		
			• Complete documentation of all the components.		
B	1	1 unit	**PC Workstation Design**		
			• Intel Core i5 Processor (2.3 GHz Dual-core 7th Generation)		
			• 8GB 2133MHz DDR4		
			• 1 TB SATA (5400 Rpm) Hard Drive		
			• Operating System: Mac OS High Sierra		
			Graphics:		
			• Intel Iris Plus Graphics 640		
			• Display: 21.5 inch LED-backlit display ; 1920 x 1080 resolution		
			Video Support and Camera:		
			• HD camera		
			• Simultaneously supports full native resolution on the built-in display at millions of colors (21.5-inch) or 1 billion colors (21.5-inch 4K) and: One 5120-by-2880 (5K) external display at 60Hz with support for 1 billion colors, or Two 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colors, or Two 4096-by-2304 (4K) external displays at 60Hz with support for millions of colors		
			• Thunderbolt 3 digital video output		
			• Native DisplayPort output over USB-C		
			• Thunderbolt 2, HDMI, DVI, and VGA output supported using adapters		
			Audio:		
			• Stereo speakers		
			• Microphone		
			• 3.5 mm headphone jack		
			Connections and Expansion:		
			• SDXC card slot		
			• Four USB 3 ports (compatible with USB 2)		
			• Two Thunderbolt 3 (USB-C) ports with support for: DisplayPort; Thunderbolt (up to 40 Gbps); USB 3.1 Gen 2 (up to 10 Gbps); Thunderbolt 2, HDMI, DVI, and VGA supported using adapters		
			• 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)		
			• Kensington lock slot		

		Wireless:		
		• Wi-Fi: 802.11ac Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatible		
		• Bluetooth: Bluetooth 4.2 wireless technology		
		Warranty:		
		• 1 Year		
2	14 units	**Tablet**		
		• Display: Retina display, 9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology, 2048-by-1536-pixel resolution at 264 ppi, Fingerprint-resistant oleophobic coating		
		• A10 Fusion 4th Generation chip with 64-bit architecture Embedded M10 coprocessor		
		• Capacity: Wi-Fi, 128GB		
		• 8-megapixel camera, Live Photos, Autofocus, Panorama (up to 43 megapixels)		
		• Video Recording: 1080p HD video recording (30 fps), Slo-mo (120 fps), Time-lapse video with stabilization, Video image stabilization, Face detection, 3x video zoom, Video geotagging		
		• HD Camera: 1.2-megapixel photos, Live Photos, f/2.2 aperture, Retina Flash, 720p HD video recording		
		• Wi-Fi: Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO Bluetooth 4.2 technology		
		• Sensors: Touch ID, Three-axis gyro		
		• Power and Battery: Built-in 32.4-watt-hour rechargeable lithium-polymer battery, Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music, Charging via power adapter or USB to computer system		
		• With Power Adapter and Cables		
		• Warranty: One (1) year		
3	1 unit	**Tablet for GIS**		
		• Display: Retina display, 12.9-inch (diagonal) LED-backlit Multi-Touch display, 2732-by-2048 resolution at 264 pixels per inch (ppi)		
		• A10X Fusion chip with 64-bit architecture, Embedded M10 coprocessor		
		• Capacity: 256GB		
		• Camera: 12-megapixel camera, Digital zoom up to 5x, Quad-LED True Tone flash, Panorama (up to 63 megapixels), Autofocus with Focus Pixels, Sapphire crystal lens cover, Backside illumination sensor		
		• Video Recording: 4K video recording at 30 fps, 1080p HD video recording at 30 fps or 60 fps, 720p HD video recording at 30 fps, Slo-mo video support for 1080p at 120 fps and 720p at 240 fps		
		• Speakers: Four speaker audio		
		• Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO		
		• Sensors: Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor		
		• Power and Battery: Built-in 41-watt-hour rechargeable lithium-polymer battery, Up to 10 hours of surfing the web on Wi-Fi, Charging via power adapter or USB to computer system		
		• With Power Adapter and cables		
		• Warranty: One (1) year		

C	1	1 unit	**Inkjet Printer**		
			• Print Method: On-demand ink jet (piezoelectric)		
			• Nozzle Configuration: 360 nozzles Black		
			• Print Direction: Bi-directional printing, Uni-directional printing		
			• Maximum Resolution: 1440 dpi x 720 dpi (with Variable-Sized Droplet Technology)		
			• Connectivity: Hi-Speed USB 2.0; Built-in wired Ethernet 10/100Base-TX (RJ45) networking; Built-in		
			• Minimum Ink Droplet Volume 3pl		
			• Print Speed: Max Black Draft Text - Memo (A4) Approx. 34 ppm (Draft); ISO Default - ISO 24724 Black Approx. 15 ipm		
			• Collate : Yes		
			• Printer Interface: USB:Hi-Speed USB 2.0; Ethernet:100BASE-TX / 10BASE-T		
			• Paper Feed Method: Friction feed		
			• Input Capacity: 100 sheets, A4 Plain paper (75g/m²)		
			• Output Capacity: 30 sheets, A4 Plain Paper (Default Text)		
			• Paper Size A4, A5, A6, B5, 10x15cm(4x6"), 13x18cm(5x7"), 9x13cm(3½ x5"), Letter (8½ x11"), Legal (8½ x14"), Half Letter (5½x8½"),13x20cm (5x8"), 20x25cm (8x10"), 16:9 wide size, 100x148mm, Envelopes: #10(41/8 x9½"), DL (110x220mm), C6 (114x162mm)		
			• One (1) year warranty		
			• With additional two (3) extra inks (140 ml)		
			• Service unit (of the same, equivalent or higher specs) is required whenever		
			the unit is under repair.		
			* Full replacement of defective unit is 15 working days from date of receipt.		
	2	2 units	**Portable Printer**		
			• Print Quality: Up to 1200x1200 black; Up to 4800 x 1200 optimized color		
			• Processor: 525 Mhz		
			• Memory: 128 MB		
			• Paper: Letter, Legal, A4, envelope		
			• Input Tray capacity: Up to 50 sheets		
			• Conectivity: USB, Bluetooth		
			• Print Speed: Up to 22ppm for black; Up to 18ppm for color		
			• Branded (Globally Known Brand)		
			• 1 Yr Warranty		
			• Complete documentation of all the components.		
			• Service unit (of the same, equivalent or higher specs) is required whenever		
			the unit is under repair.		
			* Full replacement of defective unit is 15 working days from date of receipt.		
D					
	1	2 units	**Projector**		
			• Resolution: WXGA		
			• Brightness: White Light Output (Normal/Eco) 4,200lm / 2,910lm		
			Colour Light Output: 4,200lm		

		• Contrast Ratio:3,000:1 (minimum)		
		• Screen Size (Projected Distance): Zoom: Wide: 29" - 280" [0.84m - 8.4m]		
		Zoom: Tele: 29" - 280" [1.36m -13.9m]		
		Standard size: 60" screen 1.79+C232m - 2.92m		
		• Zoom Ratio: 1 - 1.6		
		• Throw Ratio: 1.38 - 2.24 (Wide - Tele)		
		• Input interface: Analog: D-Sub 15 pin x 2, Component: D-sub 15pin Blue molding x 2		
		(in common with Analog RGB connector), Composite Video [RCA (Yellow) x 1] x 1,		
		Digital: HDMI x 1, Audio (Stereo mini jack); input x 2; output x 1, USB x 2		
		Network: Wired; Rj45 x 1 (10/100 Mbps), Wireless		
		• Sound Output: Monoaural: 10W x 1		
		• Warranty: Two (2) years on Main parts (NBDO)		
		1 Year warranty on bulb or 1000 hours		
		• Complete with VGA and HDMI cables, manuals and documentations		
2	3 units	**Document Camera**		
		Sensor:		
		• Pick-up Device: CMOS		
		• Size: 1/27"		
		• Effective Pixels: 2M Pixels (1920 x 1080)		
		• Frame Rate: Up to 30fps		
		• Native Resolution: 1080p (16:9 Aspect Ratio)		
		Lens:		
		• Type: Optical Zoom/Focus		
		• Shooting Area: Max 297 x 526 mm at 1080 ouput resolution		
		• Zoom: Up to 10x Digital , Up to 12x Optical		
		Illumination:		
		• Upper: White LED x 2 (variable LED light)		
		Interface Port:		
		• Input: D-Sub 15pin (VGA)		
		• Output: D-Sub 15pin (VGA), HDMI, USB I/O, Internal Mic, Memory I/O SD Card		
		Functions:		
		• Basic: Freeze, Output Source select, Image brightness adjustment, Light Brightness control, Auto detect aspect ratio		
		• Extended: Still image capture, Video capture, Digital Scroll /Pan /Tilt, Split Screen		
		Warranty:		
		• 1 Year warranty		
		Other:		
		• with Cables: VGA, VGA extension, HDMI (3m), USB, Carrying case.		
E				
1	2 lic.	**Adobe Indesign (Additional)**		
		• Page design, layout and publishing.		
		• Export document as separate PDF pages		

		• New presets for mobile and tablet		
		• Richer analytics for Publish Online documents		
		• Create borders that enclose multiple paragraphs using Paragraph Border feature		
		• Create cross-reference by searching a particular paragraph from the list of paragraphs with the help of a search bar		
		• Create new document, with option to preview the document as changes made in the New Document dialog		
		• Add endnotes and quickly reference annotations within long documents		
		• Create a border around one or more paragraphs		
		• Set and modify object size and position across pages in a document		
		• Add text objects from InDesign documents to Creative Cloud libraries		
		• With option in the HTML export dialog which tells InDesign to not include classes in the HTML		
		• One (1) year subscription		
		• Commercially available with local support		
2	1 lic.	**Adobe Acrobat Pro (Additional)**		
		• Approve with electronic signatures		
		• Combine files in PDF Portfolio		
		• Remove and redact information		
		• Meet PDF accessibility standards		
		• Edit text and images		
		• Convert PDF Files to Powerpoint		
		• Standardize routine PDF tasks		
		• Automate repetitive multistep tasks and share with others.		
		• Turn scanned paper documents into instantly editable PDFs		
		• Add audio, video, and interactive objects to PDFs		
		• Prepare PDFs consistently with guided actions		
		• Automatically optimize PDFs to reduce file size , or customize settings first		
		• Redact to permanently remove sensitive information in PDFs		
		• index PDF files to speed search across document collections		
		• with installation media		
		• commercially available with local support		
		• Perpetual License		
3	3 lics.	**Adobe Illustrator (Additional)**		
		· With On-Screen controls		
		· Can import multiple page PDFs.		
		· Can merge data using CSV files.		
		· Properties panel. With access to all of the controls in one place.		
		· Puppet Warp. Transform vector graphics while maintaining a natural look.		
		· Creates up to 1,000 artboards on a single canvas.		
		· Stylistic sets: With predefined glyph alternates to an entire block of text.		
		· Easier artboard organization.		
		· SVG color fonts.		

			· Variable fonts.		
			· MacBook Pro Touch Bar support.		
			· Text management in Creative Cloud Libraries		
			· Easier image cropping.		
			· Faster document creation.		
			· With Color Theme panel.		
F	1	2 lics.	**3D Modelling Software Application**		
			General Description:		
			· Procedural 3D modelling application specialized for generation of 3D urban environments		
			· 3D shape generation via rule-based system and data sets		
			· Compatible with existing BCDA GIS Database		
			Features:		
			· Procedural modeling core		
			· Highly integrated with GIS & CAD Data		
			· Supports industry-standard GIS/CAD formats such as shapefile, file geodatabase, OSM		
			· Parametric modeling interface to interactively control street or building parameters		
			· Interactive designing, editing and modification of urban layouts		
			· Supports Industry-standard 3D formats such as Collada, Autodesk FBX, 3DS, etc.		
			· Integrated 3D Web Scene export to existing BCDA 3D Web Mapping Platform		
			· Rule creator and visual façade authoring tool		
			· Custom report generation thru use of scripts and rule-based report generation		
			· Local technical support and availability of training materials		
			· With Training / Knowledge Transfer		
	2	1 lic.	**ArcGIS 3D Analyst Extension**		
			Capabilities		
			· View GIS data on a 3D globe using ArcGlobe.		
			· View GIS data within a 3D planimetric view using ArcScene.		
			· Query GIS data using 3D distances.		
			· Ask 3D analytic questions, such as What is the impact of a proposed building on existing views.		
			· Build and maintain functional surfaces, such as a terrain dataset constructed from lidar.		
			· Query and analyze surfaces, such as slope and aspect.		
			· Import 3D data from multiple sources, such as multipatch buildings constructed in SketchUp.		
			· Edit and maintain 3D vector data, such as building interior transportation networks.		

			· Use interactive tools to make 3D queries, such as measuring heights inside 3D.		
			· Local technical support and availability of training materials		
			· With two 3D visualization applications, ArcGlobe and ArcScene		
			· ArcCatalog: Allows to manage 3D GIS data and create layers with 3D viewing properties		
			· ArcMap: Allows to create new surfaces from your GIS data as well as analyze surfaces, query attribute values at a location on a surface, and analyze the visibility of parts of a surface from different locations		
G	1	1 lic.	**AutoCAD Civil 3D (Additional license)**		
			Features		
			· Can obtain feature lines from a surface or relative to surface,		
			· Can create dynamic offset profiles using a defualt cross slope,		
			· Can create new dynamically linked alignment and profile,		
			· Can resize pipes and reset inverts, and compute the energy and hydraulic grade lines according to HEC-22 2009 standards,		
			· Can create plan/plan and profile/profile sheets,		
			· Can add custom data to object labels by using property sets,		
			· Can create points, lines, curves representing traverse legs and sideshots using COGO input and editing tools		
			· Can resolve corridor bowties in daylighting conditions.		
			· With tools for corridor modelling		
			· Can easily extract multiple feature lines		
			· Can streamline the layout of rail tracks,		
			· Can use and display point cloud data,		
			· Can create TIN surfaces from point cloud data		
			· With tools to create dynamic surfaces,		
			· With terrain models for grading,		
			· With automated parcel design tools,		
			· With tools for sanitary and storm drainage systems		
			· With tools to help better plan, visualize, and model geotechnical data		
			Technical Support		
			· Site visit by a qualified /certified application engineer when needed,		
			· Quarterly site visit for maintenance.		
	2	3 lics.	**AutoCAD LT (Additional licenses)**		
			Features:		
			· Can compare and document the differences between 2 versaions of a drawing,		
			· Can save drawings from desktop to view and edit on web and mobile apps		
			· With 2X faster zoom, pan, and change draw orders and layer properties,		
			· Can publish design views of a drawing in a web browser for viewing and commenting,		

		· Can create, edit, view, and share CAD drawings on mobile device with the mobile app,		
		· With improve visuals with new flat-design icons and 4K enhancements,		
		· Can access favorite tools easily,		
		· Can easily access most frequently used content and tools with customizable tool palettes,		
		· With tools for corridor modelling		
		Technical Support		
		· Site visit by a qualified /certified application engineer when needed,		
		· Quarterly site visit for maintenance.		
H		**Video Conferencing System**		
1	2 sets	**Video Conferencing Kit (for small meeting room)**		
		· Schedule meetings with dozens of internal and external participants and up to 25 devices.		
		· Real time, wireless sharing and collaboration		
		· Updates roll out automatically		
		· Can control and monitor devices remotely		
		· Can join meetings from the web or mobile devices		
		· Technical Specification:		
		• OS: Google Chrome OS		
		• Processor: 5th generation Intel Core i7 5500U (2 Core, 2.40GHz, 4 MB)		
		• Memory: 4 GB DDR3		
		• Storage: 16 GB SSD		
		• Graphics: Intel HD Graphics 5500		
		• Camera: Full HD 1080p (1920x1080), autofocus, low light correction		
		• Microphone/speaker: omni-directional, noise filter, built in controls (volume, mute, start/end call)		
		• Remote control: wireless, RF based, USB adapter, full QWERTY keyboard		
		• Ports: 4x USB 3.0, gigabit ethernet, HDMI, DisplayPort, 4-in-1 card reader: SD/SDHC/SDXC/MMC		
		• Wireless: WiFi 802.11 a/b/g/n/ac, Bluetooth 4.0		
		• Accessories: 1x USB cable (15-feet), 1x ethernet cable (15-feet), 1x HDMI cable, 1x AC adapter, 1x VESA mount kit		
		• Services: 3-year warranty, delivery included, installation not included		
2	2 sets	**Video Conferencing Kit (for large meeting room)**		
		· Schedule meetings with dozens of internal and external participants and up to 25 devices.		
		· Real time, wireless sharing and collaboration		
		· Updates roll out automatically		
		· Can control and monitor devices remotely		

		· Can join meetings from the web or mobile devices		
		· Technical Specification:		
		• OS: Google Chrome OS		
		• Processor: 8th generation Intel Core i7 8500U (4 Core, 1.80GHz upto 4 GHz, 8 MB)		
		• Memory: 4 GB DDR4		
		• Storage: 32 GB SSD		
		• Graphics: Intel HD Graphics 620		
		• Controller: 10.1" IPS multi-touch display panel (1280 x 800 resolution)		
		• Camera: 4K UHD, 120° wide field of view, intelligent participant detection, auto zoom/cropping		
		• Mic/speaker: 360° sound input/output, 20-foot range, active echo cancellation, background noise management		
		• Ports: 3x USB 3.1, 1x USB 3.1 type-C, gigabit ethernet, HDMI, DisplayPort, 4-in-1 card reader: SD/SDHC/SDXC/MMC		
		• Wireless: WiFi 802.11 a/b/g/n/ac, Bluetooth 4.2		
		• Accessories: 2x USB to mini-USB cable, 1x USB to type-C cable, 1x USB to micro-USB cable, 1x ethernet cable, 1x HDMI cable, 1x AC adapter, 1x LCD stand, 1x VESA mount kit		
		• Services: 3-year warranty		
3	1 set	**Multi-platform Video Conferencing Kit (Board Room)**		
		➢ Must be able to join from any video conferencing system platform,		
		➢ Hardware must be optimized to run on a cloud platform, for easy access to hosted conferences,		
		➢ Must be able to connect to any mobile devices,		
		➢ Must be able to connect to two or more participants (scalable),		
		➢ With software and technical support (includes firmware updates).		
		A. Technical Specifications:		
		• Hardware component: table microphone, wall mount for codec plus		
		• Bandwidth: up to 6 Mbps point to point		
		• Minimum bandwidth for resolution/frame rate: H.264		
		720p30 from 768 kbps		
		720p60 from 1152 kbps		
		1080p30 from 1472 kbps		
		1080p30 from 2560 kbps		
		• Firewall traversal: H.460.18, H.460.19 firewall traversal		
		• Video Inputs: One HDMI Input supports formats up to maximum 1080p60, two HDMI inputs support formats up to maximum 4K (3840 x 2160) at 30fps		
		• Video Outputs: two HDMI outputs support formats up to 3840 x 2160p60 (4Kp60), Live video resolutions (encode and decode) up to 1920 x 1080p60 (HD1080p, Consumer Electronics		

∧

			Control (CEC) 2.0		
			• Audio Standards: G.711, G722, G722.1, G729, AAC-LD, and Opus		
			• Audio Features: High quality 20kHz audio, Subwoofer line out for Quad Camera, Prepared for inductive loop (line out), Automatic Gain Control (AGC), Automatic noise reduction, Active lip synchronization		
			• Speakers (internal): High-quality speakers, Frequency response 70Hz to 20kHz, Max output level SPL 90db		
			• Speaker tracking: 6-element microphone array for accurate speaker tracking		
			• Wireless Sharing		
			• Multipoint support: 4-way embedded SIP/H.323 conferencing capability with Multisite option		
			• Multisite features: Adaptive SIP/H.323 Multisite		
			3-way resolution up to 1080p30 _ content up to 4Kp5		
			4-way resolution up to 720p30 _ content up to 4Kp5		
			• Full individual audio and video transcoding		
			• H.323/SIP/VoIP in the same conference		
			• Support for presentation (H.239/BFCP) from any participant at resolutions up to 3840 x 2160p5		
			• Embedded encryption: Automatic key generation and exchange		
			• IP Network:		
			DNS lookup for service configuration		
			• Differentiated services (Quality of Service [QoS])		
			• IP-adaptive bandwidth management (including flow control)		
			• Automatic gatekeeper discovery		
			• Dynamic playout and lip-sync buffering		
			• H.245 Dual-Tone Multi-frequency (DTMF) tones in H.323		
			• RFC 4733 DTMF tones in SIP		
			• Date and time support using Network Time Protocol (NTP)		
			• Media adaption and resilience		
			• Uniform Resource Identifier (URI) dialing		
			• Dynamic Host Configuration Protocol (DHCP)		
			• 802.1X network authentication		
			• 802.1Q Virtual LAN		
			• IPv6 Network Support:		
			Single call stack support for both H.323 and SIP		
			• Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ		
			• Support for both static and automatic IP configuration (stateless address auto configuration)		
			• Security Features:		
			Management using HTTPS and SSH		
			• IP administration password		
			• Menu administration password		
			• Disable IP services		
			• Network settings protection		

		• Network Interfaces Codec Medium:		
		One Ethernet (RJ-45) 10/100/1000 for LAN		
		• One Ethernet (RJ-45) 10/100/1000 for direct pairing with camera		
		• One Ethernet (RJ-45) 10/100/1000 with Power over Ethernet (PoE) for direct pairing with Touch 10		
		• Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz for LAN. 2x2 MIMO		
		• Bluetooth 4.0 LE		
		• Other interface: USB 2.0 port, uUSB, factory reset pinhole		
		• Power supplies: 100 to 240 VAC, 50/60 Hz, 12V DC input		
		• Camera Overview:		
		• 5K Ultra HD Camera		
		• Support up to 60 fps		
		• 15.1 MP image sensor		
		• 1/1.7 CMOS		
		• 5x digital zoom (3 tele-lenses each with 50-degree horizontal field of view)		
		• f/2.0 aperture		
		• Auto focus, brightness and white balance		
		• Focus distance 1m infinity		
		B. Features:		
		• Includes a cloud-based phone system, with the ability to connect other call control capabilities and services, and encompasses all the devices to make calls,		
		• Secure, all-in-one team collaboration. Move work forward in secure work spaces where everyone can contribute anytime with messaging, file sharing, white boarding, video meetings, calling.		
		• with File storage		
		• Integrate existing IT assets to provide a single, integrated experience.		
	1	**With installation and Configuration.**		
		• Includes labor, such as carpentry, and drilling works.		
		• End-connectors and other hardware materials. roughing-ins, misc. and other accessories to complete the installation		
		• Calibration, Testing & Commissioning		
		• Knowledge Transfer		

Note:
1. All specifications are minimum requirements. Proponents may propose equivalent or higher specifications.
2. For Desktop, PC dimensions (Length, Width and Height) may vary, as long as the total space occupied is equal to or smaller than those indicated in the technical specifications.
3. Clones will not be accepted. Please propose globally-known brand.
4. Full replacement of defective unit/s should be **30 working days** from receipt of notice. If full replacement is not yet possible, a service unit shall be provided by the supplier within 48 hours from receipt of notice of defective unit.

5. The obligation for the warranty shall be covered by Retention money in an amount equivalent to at least one percent (1%) of every progress payment.
   The said amounts shall only be released after the lapse of the warranty period indicated per item of the TOR.

Bidder's Authorized Representative:

_____

Signature over Printed Name

_____

Principal Bidder / Supplier