

**PRESIDENTIAL BROADCAST STAFF - RTVM**  
**REVISED APP FOR EQUIPMENT CY 2018**

	Description	Quantity	Unit Cost	Estimated Budget (PhP) +4%	End-User	Mode of Procurement
1	<b>13 INCH LAPTOP</b> 3.5GHz dual-core 7thGen Intel Core i7 Processor 16GB 2133Mhz LPDDR3 Memory 512GB SSD Intel Iris Plus Graphics 650	2 units	143,000.00	286,000.00	IT Section	Public Bidding
2	<b>DESKTOP COMPUTER</b> Intel Core 7740X Processor 16GB DDR3, 4TB storage, MSI GTX1050Ti 4GB TWIN FAN DDR5 Monitor, keyboard and mouse Windows10 OS included.	1 unit	80,000.00	80,000.00	IT Section	
3	<b>UPS 1500VA 230V WITH BUILT-IN LCD MONITOR</b>	2 units	41,200.00	82,400.00	IT Section	
4	<b>UPS 3000VA 230V WITH BUILT-IN LCD MONITOR</b>	2 units	119,000.00	238,000.00	IT Section	
5	<b>15 INCH LAPTOP COMPUTER WITH TOUCH BAR WITH INTEGRATED TOUCH ID SENSOR</b> 3.1GHz quad-core Intel Core i7, Turbo Boost up to 4.1GHz 1TB SSD Radeon Pro 560 with 4GB memory 16GB 2133MHZ LPDDR3 Memory Four Thunderbolt 3 (USB-C) ports 87W USB-C Power Adapter USB-C Charge Cable (2 m) with FINAL CUT PRO X installed Operating System macOS Sierra with accessories: Thunderbolt 3 (USB-C) to Thunderbolt 2 USB-C to USB 3.0 Adapter HUB 4 port(min) USB-C Digital AV Multiport Adapter USB-C to Gigabit Ethernet Adapter Microsoft Office Home & Student 2016 for Mac (Full) Laptop Sleeve and Backpack	1 unit	247,233.00	247,233.00	Research and Archives	

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6	<b>27 INCH DISPLAY DESKTOP COMPUTER WITH RETINA 5K DISPLAY</b> 4.2GHz quad-core Intel Core i7, Turbo Boost up to 4.5GHz 32GB 2400MHz DDR4 SDRAM 3TB Fusion Drive Radeon Pro 580 with 8GB video memory Magic Mouse 2 Magic Keyboard with Numeric Keypad Accessory Kit Final Cut Pro X Installed Microsoft Office Home & Student 2016 for Mac (Full) USB 3.0 HUB 4port minimum	1 unit	225,000.00	225,000.00	Research and Archives	Public Bidding
7	<b>DESKTOP PC, WITH 21"-25" IPS LED HDMI MONITOR, MOUSE, KEYBOARD AND STEREO EXTERNAL SPEAKERS</b> Processor:: INTEL CORE I3 4170 (3M Cache,, 3..70 GHz) Operating System:: WINDOWS 10 Memory:: 4GB DDR3 Graphics:: INTEL HD GRAPHICS Storage:: 1TB SATA 2 x USB 3.0, 2 x USB 2.0, 7:1 multi-card reader (minimum) 3-in-1 audio (Mic-in, Line in, Line out), LAN 10/100/1000, ODD, VGA, HDMI with Microsoft Office 2016 Home and Office Medialess (installed) Monitor Display: 21-25" LED display Panel Size: Wide Screen 16:9 Panel Backlight / Type : In-Plane Switching True Resolution : 1920x1080 Full HD 1080P : Yes Display Surface Non-glare Pixel Pitch : 0.2652mm Brightness(Max) : 250 cd/m <sup>2</sup> Contrast Ratio (Max) : 1000:1 ASUS Smart Contrast Ratio (ASCR) : 80000000:1 Viewing Angle (CR≥10) : 178°(H)/178°(V) Response Time : 5ms (GTGα) Display Colors : 16.7M Flicker free Speaker: Stereo Speaker with volume control and earphone jack	3 units	45,000.00	135,000.00	Research and Archives	

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8	<b>Firewall Essential, Basic VPN, Wireless Protection, Network Protection, Web Protection, Email Protection, Webserver Protection, 8x5 Basic Technical Support</b> Hardware Specification: Intel Core i3 Dual core @ 3.7 Ghz Processor, 12GB DDR Memory, 180 GB SSD Storage 36 watts 123 BTU/hr (idle), 147w 502 BTU/hr (full) 1U Rack mount, 8x1GBE Built in CU ports, 1GB SFP Ports, 2 10GB SFP+ Ports Security Performance: Total Protect	1 unit	990,000.00	990,000.00	IT Section	Small Value
9	<b>SDI/HDMI to USB Webcam video 720p HD Converter</b> Converts any SDI or HDMI source to USB webcam video in 720p HD format 12G-SDI input with 12G-SDI loop output; HDMI 2.0 input with independent HDMI loop output. Supports all SD, HD and Ultra HD input sources up to 2160p60. Requires no drivers, works with popular streaming software such as Open Broadcaster, XSplit Broadcaster, YouTube Live, Facebook Live, Periscope, Twitch.TV and the like. 6.7 x 5.5 x 1.7 inches Dimension 1.37 pounds weight	3 units	37,600.00	112,800.00	IT Section	Shopping
10	<b>H265/H264 SDI Video Encoder Support 4G LTE</b> Input: SD /HD SDI + Stereo Audio(3.5mm) Output: Ethernet Port(RJ45) Or WiFi Or 3G/4G Streaming Stream Protocol: HTTP, RTSP, RTMP, UDP /RTP, FLV, HLS, ONVIFV Video Encoding: HEVC /H.265, H.264 /AVC Audio Encoding: AAC, AAC+, AAC++, MP3 Code Rate Control: From 32Kbps To 32Mbps By CBR /VBR Battery: F550 /750 /970 Application: Support 3G Or 4G LTE(FDD /TDD), CDN Integration (To Youtube, Facebook, etc) Has simcard slot for 3g/4g/5g connection	3 units	26,100.00	78,300.00	IT Section	Shopping
	<b>Livestreaming/Feed link of Camera to Hub</b> Link between camera to a hub to forward video feed to a designated switcher. Works wireless within up to 300 feet, saving hours of setup and teardown time.	4 units	30,000.00	120,000.00	IT Section	Shopping



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11	<b>Livestreaming Hub with Battery</b>  MULTI-CAMERA LIVESTREAMING - Wirelessly connect up to 10 cameras, smartphones, and drones to get the perfect angles in HD. Stream your live-switched video production to Facebook Live, YouTube, Twitch, Periscope, Livestream, Ustream, Restream.io and RTMP sites. Use the free iOS or android capture app to quickly stream and create wireless multi-camera productions from your apple or android mobile devices in full HD.  WIRELESS & PORTABLE - works wirelessly up to 300 feet, saving you hours of setup and teardown time. MAC or IPAD CONTROL - Use Mac OS device or iPad to monitor your feeds and easily switch between 4 cameras in real time. Import graphics, add text overlays, scoreboard, instant replay, and lower-thirds and use compositions like Pip and quad view.  EASY 4K POST-PRODUCTION – With 4K post-production supported, get up to 7 recordings on a single storage device - including your feeds, program recording and quad view. Save hours in post with time-sync in Adobe Premiere and Final Cut.  VIDEO PRODUCTION SWITCHER Integrated - has live production video switcher. It's compatible with cameras from Sony, Canon, Panasonic, Nikon, JVC, Go-Pro, Black Magic, Olympus and DJI.  HDMI Input: Video: HDMI Type A connector - 1080i 60, 1080p 30, 1080p 60, 720p 60 and 720p 30; Audio: 2-channel embedded audio (48000 Hertz, 16-bit)	2 units	100,000.00	200,000.00	IT Section	Shopping
12	<b>LED WALL</b>  Physical Pixel Pitch 3.91mm-SMD2121, 3in1 SMD, Black Face Led. Magnetic Module Size of module 250mmx250mm, 64x64 dot resolution of module. 65536 dots/meter square Cabinet material is die-casting alu. 500x500x83mm size, 128x128pixels, 9x6=54 cabinets Display size 4.5mx3m=13meter squared. 9gk/cabinet weight. SMD2121 Black face 3in1 pixel config, best viewing distance >4m, brightness >800cd/m2 Power max: <700W/metersquared ave: 235W/metersquared, driving method 1/16 Scanning Control method is synchronization. Gray Scale 16bits, Ccolors 16777216 Color Temperature 6500k, Working Volt AC220V/110V±10%, working temp 20°C~+50°C±10% MTBF >10,000hrs, Frame Frequ >2000Hz/s, IP Grade IP30, Life Span 100,000hrs Bright Adjustment Manual, 256 Level Effective Communication Distance - Unshielded twisted pair net line, Transmission Distance	1 unit	2,400,000.00	2,400,000.00	IT Section	Public Bidding


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13	100m, Maximum transmission distance 130m, Multimode optic fiber 500m, single mode optice fiber 20km. Systems Operating Platform Windows with a friendly UI and interfaces for secondary dev <b>ISCSI STORAGE EXPANSION FOR MEDIA ASSET MANAGEMENT SYSTEM.</b> Configuration: 4U, 24-bay Controller: Dual Redundant Host Port: 4 x 1Gb/s iSCSI ports (4 x RJ-45) Hard Drive: 4TB/bay = 96TB total RAID levels supported : RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60	1 lot	1,700,000.00	1,700,000.00	Research and Archives	Public Bidding
	<b>GRAND TOTAL</b>			<b>6,894,733.00</b>		

Recommending Approval:

  
**DULCE AMOR D. QUINTANA**  
 BAC Chairman

  
**EILEEN C. ARANTE**  
 Vice-Chairman

  
**LUIS ENRICO T. ELEAZAR**  
 BAC Member

  
**ORLANDO T. CAMUA**  
 BAC Member

  
**RENE A. VILLAFIOR**  
 BAC Member

  
**LEONIL CORPIN**  
 BAC Member

Approved by:

  
**DENNIS WILFRED P. PABALAN**  
 Executive Director