



Bids and Awards Committee

Republic of the Philippines
Professional Regulation Commission
P. Paredes St., Sampaloc, Metro Manila
Tel/Fax: 310-0037



Section VII. Technical Specifications

Lot 1: Supply and Delivery of Various Desktop Computers (ITB No. 017-024)

Items	Specifications:	Bid Amount
a. Desktop Computer (36 Units)		
CPU	Intel Core i7 4th Gen. 3.40GHz	
OS	Microsoft Windows 8	
Memory	8GB DDR3 RAM	
Storage	500GB 7,200 RPM Hard Drive	
Graphics	Intel HD Graphics 4600	
Optical Drive	DVDRW Drive	
Network	10/100/1000 Network	
	802.11ac Wireless+Bluetooth 4.0	
Monitor	18.5" LED Widescreen	
Bundled:	600VA UPS / USB Optical Mouse / USB Optical Keyboard	
b. Desktop Computer (57 Units)		
CPU	Intel® Core™ i3-7320 Processor	
OS	Windows 7	
Memory	4GB DDR4 (2,133MHz)	
Storage	500GB 7,200RPM Hard Drive	
Graphics	Intel HD Graphics 4600	
Optical Drive	DVDRW Drive	
Network	10/100/1000 Network	
	802.11ac Wireless+Bluetooth 4.0	
Monitor	23" LED Widescreen	
Bundled:	600VA UPS / USB Optical Mouse / USB Optical Keyboard	
c. Desktop Computer (295 Units)		
CPU:	Intel® Core™ i3-7320 Processor	
OS	Windows 7	
Graphics:	Intel HD Graphics 530	
Memory	4GB DDR4 (2,133MHz)	
Storage:	500GB HDD (7,200 rpm)	
Optical drive:	8x DVD-RW drive	
Ports:	7 x USB 3.0, 1 x USB 3.1 Type-A, 1 x USB 3.1 Type-C, 2 x USB 2.0, SD card slot, HDMI, Display Port, Gigabit Ethernet, mic-in, headphone-out, 5.1 channel audio jacks	
Connectivity:	802.11ac Wi-Fi; Bluetooth 4.2	
Power Supply:	460W	
Monitor	18.5" LED Widescreen	
Bundled:	600VA UPS / USB Optical Mouse / USB Optical Keyboard	

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Lot 2: Supply and Delivery of Various Laptops (ITB No. 017-025)

Items	Specifications:	Bid Amount
a. LAPTOP (15 Units)		
Processor	Intel Core i7-7500U Processor at 2.7GHz	
Memory	12GB DDR4 (2 DIMM) RAM	
Hard disk Drive	500GB 7200RPM SATA Hard Drive	
Optical Drive	DVD Writer (writes to DVD/CD)	
OS	Windows 8.1/Windows 10	
Communications:	Intel® Wireless-AC WLAN + Bluetooth	
	TrueVision HD Webcam with Integrated Dual Digital Microphone	
Graphics & Video:	15.6" Touchscreen WLED-backlit HD SVA (1366 x 768) Display	
Audio:	DTS Studio Sound with dual speakers	
Keyboard:	Full-size island-style keyboard with numeric keypad	
Ports:	1x USB 3.1 Gen 1	
	2x USB 2.0	
	1x HDMI	
	1x RJ-45 (LAN)	
	1x Multi-Format Digital Media Card Reader	
	1x Headphone-out/microphone-in combo jack	
Power Supply:	3-cell Battery	
Bundled:	USB Optical Mouse	
b. LAPTOP (150 Units)		
Processor	Intel Core i5-5200U Processor at 2.2GHz	
Memory	4GB DDR4 (2 DIMM) RAM	
Hard disk Drive	500GB 7200RPM SATA Hard Drive	
Optical Drive	DVD Writer (writes to DVD/CD)	
OS	Windows 8.1	
Communications:	Intel® Wireless-AC WLAN + Bluetooth	
	TrueVision HD Webcam with Integrated Dual Digital Microphone	
Graphics & Video:	15.6" Touchscreen WLED-backlit HD SVA (1366 x 768) Display	
Audio:	DTS Studio Sound with dual speakers	
Keyboard:	Full-size island-style keyboard with numeric keypad	
Ports:	1x USB 3.1 Gen 1	
	2x USB 2.0	
	1x HDMI	
	1x RJ-45 (LAN)	
	1x Multi-Format Digital Media Card Reader	
	1x Headphone-out/microphone-in combo jack	
Power Supply:	3-cell Battery	
Bundled:	USB Optical Mouse	



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Lot 3: Supply, Delivery and Installation of Server Rack Cabinet (ITB No. 017-026)

Item	Bid Amount
SERVER RACK CABINET (16 Units)	
22U	
Color: Black	
Weight Capacity: 1320lbs (600Kgs)	
Internal Dimension : 40" x 39" x 19" (H x D x W)	
External Dimension : 42" x 42" x 24" (H x D x W)	
Maximum front to rear depth (post to post depth) : 34"	

Lot 4: Supply and Delivery of One (1) Unit Network Attached Storage (ITB No. 017-027)

Item	Specifications	Bid Amount
Network Attached Storage (1 Unit)		
Form Factor	2U	
Capacity	72 TB	
Drive description	LFF SAS	
Expansion Enclosure	LFF Expansion Enclosure	
Supported drives	6TB hot swap 3.5inch LFF SAS 12Gb/s NL 7200 rpm	
Host interface	8 Gb Fibre Channel	
Number of Processor	Two	
Cache (per system)	16GB	
User Interface	Web-based GUI	
RAID Levels	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6	
Fans and power supplies	Fully redundant, hot-swappable	
Rack Support	Standard 19-inch rack-mount enclosure	
Advanced functions included with each system	Thin provisioning	
Warranty	3-year limited warranty with optional upgrades available	

Lot 5: Supply and Delivery of Twenty-Seven (27) Units UPS for Server (ITB No. 017-028)

Item	Specifications	Bid Amount
UPS FOR SERVER		
Form factor	2U Rackmount	
OUTPUT		
Output power capacity	2.7 KWatts / 3.0 kVA	
Nominal Output Voltage	230V	
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage	



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Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal	
Other Output Voltages	220, 240	
Topology	Line Interactive	
Waveform type	Sine wave	
Output Connections	(3) IEC Jumpers (Battery Backup)	
	(1) IEC 320 C19 (Battery Backup)	
	(8) IEC 320 C13 (Battery Backup)	
INPUT		
Nominal Input Voltage	230V	
Input frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input voltage range for main operations	160 - 286V	
Input voltage adjustable range for mains operation	151 - 302V	
Other input Voltages	220, 240	

Lot 6: Supply and Delivery of Various Servers (ITB No. 017-029)

Item	Specifications	Bid Amount
1 Unit SERVER (for Central Office - Records)		
Form factor/height	2U Rack	
Processor	2 pcs Intel Xeon E5-2600 v4 series	
Memory	128 GB RAM	
Storage	8 TB (2.5-inch model) SAS/SATA	
Media bays	DVDWR	
RAID support	Integrated 6 Gbps, hardware RAID-0, 1, 10	
Power supply (max)	750 W AC	
Hot-swap components	Power supplies, fan modules and hard disk drives	
Network interface	4 x 1 GbE (std.), 2 x 10 GbE adapter	
	2 x 8GB FC Single-port HBA	
	Trusted Platform Module	
Expansion slots	2 PCIe 3.0 ports	
USB ports \ VGA ports	2 front/2 back \ 1 front/1 back	
Energy efficiency	80 PLUS® Platinum and ENERGY STAR®	
	(model dependent) Compliance	
Operating	Microsoft Windows Server 2012	
16 Units SERVER (for Regional Offices)		
Form factor/height	2U Rack	
Processor	1 pcs Intel Xeon E5-2600 v4 series	
Memory	24 GB RAM	
Maximum internal storage	8 TB (2.5-inch model) SAS/SATA	
Optical Drive	DVDWR	



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RAID support	Integrated 6 Gbps, hardware RAID-0, -1, -10	
Power supply (max)	750 W AC	
Hot-swap components	Power supplies, fan modules and hard disk drives	
Network interface	4 × 1 GbE (std.)	
Expansion slots	2 PCIe 3.0 ports	
USB ports \ VGA ports	2 front/2 back \ 1 front/1 back	
Energy-efficiency	80 PLUS® Platinum and ENERGY STAR®	
	(model dependent) Compliance	
Operating	Microsoft Windows Server 2012	
2 Units SERVER (for Rating Division)		
Form factor/height	2U Rack	
Processor	2 pcs Intel Xeon E5-2600 v4 series	
Memory	64 GB RAM	
Storage	16 TB (2.5-inch model) SAS/SATA	
Media bays	DVDWR	
RAID support	Integrated 6 Gbps, hardware RAID-0, -1, -10	
Power supply (max)	750 W AC	
Hot-swap components	Power supplies, fan modules and hard disk drives	
Network interface	4 × 1 GbE (std.), 2 × 10 GbE adapter	
	Trusted Platform Module	
Expansion slots	2 PCIe 3.0 ports	
USB ports \ VGA ports	2 front/2 back \ 1 front/1 back	
Energy-efficiency	80 PLUS® Platinum and ENERGY STAR®	
	(model dependent) Compliance	
Operating System	Microsoft Windows Server 2012	

Lot 7: Supply and Delivery of Thirty-Five (35) Units Projector (ITB No. 017-030)

Item	Specifications	Bid Amount
PROJECTOR (35 Units)		
Resolution — Native	SVGA (800 x 600)	
Resolution — Maximum	WUXGA (1920 x 1200)	
Display Technology	DLP	
Speakers	Mono 2W x 1	
Lamp Brightness	3,500 lumens	
Lamp Brightness — Eco Mode	3,200 lumens	
Lamp Life — Bright Mode	7,000 hours	
Lamp Life — Eco Mode	5,000 hours	
Contrast Ratio	15,000:1	
Aspect Ratio	0.16875	



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Projection Offset	15	
Keystone Correction — Vertical	$\pm 40^\circ$	
Keystone Correction — Horizontal	$\pm 40^\circ$	
Audible Noise	< 32 dBA at 0°F / -17.8°C	
Audible Noise — Eco Mode	< 30 dBA at 0°F / -17.8°C	
Connections	HDMI 1.4, VGA x 2, USB-A (for USB thumb drive or wireless network adapter), USB Mini-B (for display over USB & internal memory file mgmt), Composite Video, S-Video, 3.5 mm stereo in x 2, RS232, USB-B (control & firmware), VGA monitor out, 3.5mm audio out	

1. Compliance with the statements must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate.
2. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection.
3. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1 (a) (ii) and/or GCC Clause 2.1 (a) (ii).

ACKNOWLEDGMENT AND COMPLIANCE WITH THE TERMS OF REFERENCE FOR THE PROCUREMENT OF VARIOUS IT PROJECTS (INSERT LOT NUMBER & TITLE)

SIGNATURE OVER PRINTED NAME
OF AUTHORIZED REPRESENTATIVE,
DESIGNATION AND PRINTED NAME OF COMPANY