

PURCHASE REQUEST

Entity Name: **PhilFIDA**

Fund Cluster: 101

Office/Section: PICTU	PR No.: <u>19-04-233</u> Responsibility Center Code _____	Date: 10-Apr-19
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Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
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	Lot	<p>Supply, Delivery, Installation/Configuration and Testing of PhilFIDA Server, Network Equipment and Video Conferencing Equipment (Brandnew and Branded)</p> <p>Minimum specification: Hyper-Converged Infrastructure (HCI) 2x CPU 2*Xeon Silver 4110 2.1G, 8C/16T, 96G (16G*6) Memory, 8*3.5in disk slots, 128G OS disk, 6*GE, no cache disk or data disk. 4x6TB 7200RPM 3.5" SAS HDD (Enterprise) 2x S4600 3D NAND TLC SSD 2.5", SATA 3.0 6Gbps 6 - Superdog USB Key for license activation 4x Server virtualization, HA, DRS, Automated Hot Add, back up, clone 4x Storage virtualization, 3 copies, SSD read and write acceleration, data locality 4x Network virtualization, Distributed Firewall, Drawable topology, visualized network, aSwitch, aRouter Software license subscription and upgrade, upgrade license included for 3 years Repair and Maintenance within Warranty Period, 7*24*4 Service Technical Support 7*24* for 3 years Onsite technical support for installation per node, including VMs migration</p> <p>Perimeter Firewall: For at least 200 users with 8x5 support for 3-years which includes - hardware replacement, firmware and general updates, application control, network and web protection/filtering</p> <p>Access Point (5 units): Networking Interface: (1) 10/100/1000 Ethernet Port Buttons: Reset; Power Method: 802.3af/A PoE 24V Passive PoE (Pairs 4, 5+; 7, 8 Return); Power Supply: 24V, 0.5A Gigabit PoE Adapter*; Power Save: Supported Maximum Power Consumption: 6.5W; Maximum TX Power 2.4 GHz 5 GHz: 24 dBm 22 dBm; Antennas: (1) Dual-Band Antenna, Tri-Polarity, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi; Wi-Fi Standards: 802.11 a/b/g/n/ac; Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES); BSSID: Up to 8 per Radio Mounting: Wall/Ceiling (Kits Included); Operating Temperature: -10 to 70° C (14 to 158° F); Operating Humidity: 5 to 95% Noncondensing Certifications: CE, FCC, IC</p> <p>Access Point PRO (3 units): Networking Interface: (2) 10/100/1000 Ethernet Ports; Port: (1) USB 2.0 Port; Buttons: Reset; Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at Supported (Supported Voltage Range: 44 to 57VDC); Power Supply: UniFi Switch (PoE); Power Save: Supported Maximum Power Consumption: 9W; Maximum TX Power 2.4 GHz 5 GHz: 22 dBm 22 dBm Antennas: (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi; Wi-Fi Standards: 802.11 a/b/g/n/ac; Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES); BSSID: Up to 8 per Radio; Mounting: Wall/Ceiling (Kits Included); Operating Temperature: -10 to 70° C (14 to 158° F); Operating Humidity: 5 to 95% Noncondensing Certifications: CE, FCC, IC</p>	1	5,378,000	5,378,000
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19-04-233

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		<p>Security Gateway: Max. Power Consumption: 7W; Power Supply: 12VDC, 1A Power Adapter (Included); Power Input: 9 to 24VDC, Supported Voltage Range LEDs System Serial Console Port Data Ports: Status Power Speed/Link/Activity; Networking Interfaces Serial Console Port Data Ports: (1) RJ45 Serial Port (3) 10/100/1000 Ethernet Ports*; Layer 3 Forwarding Performance Packet Size: 64 Bytes Packet Size: 512 Bytes or Larger: 1,000,000 pps 3 Gbps (Line Rate); Processor: Dual-Core 500 MHz, MIPS64 with Hardware Acceleration for Packet Processing System Memory: 512 MB DDR2 RAM; On-Board Flash Storage: 2 GB; Certifications: CE, FCC, IC; Wall-Mountable: Yes; Operating Temperature: -10 to 45° C (14 to 113° F); Operating Humidity: 10 to 90% Noncondensing</p> <p>Included:</p> <p>Server/Network Cabinet, 42U with PDU and Fan UPS 3KVA with Extended Battery, rack mount, online, with extended battery life of at least 10mins full load, 220v 60hz, surge suppression, audible alarm, hot-swappable batteries and internal bypass Wifi Security Gate Network Setup: Wifi, wireless internet access for PhilFIDA central office Intensive/Hands-on Training for 7 PhilFIDA personnel</p> <p>Scope of Work for Server, Network Equipment and Firewall:</p> <p>The scope of work shall cover the following: Supply, delivery, installation/configuration and testing of Network Equipment and Appliance Servers with HCI configuration with the following minimum specifications:</p> <ul style="list-style-type: none"> a. Must have a distributed firewall to offer micro-segmentation and segregation of VMs to ensure the lateral security. b. Must be able to continue operation even with two (2) simultaneous power supply unit (PSU) failures; c. Must have the capability to move virtual machines from one physical appliance server to another in case of physical appliance server failure. This capability shall be either automatic or manually controlled; d. The management platform must be integrated with no license and separated installation. e. The storage virtualization component must be embedded into the hypervisor instead of installing storage VMs, for better performance and simpler management. f. The management console must be integrated inside hypervisor with a single Graphical User Interface (GUI)(no separated component) to manage the network, storage, compute, security. The production diagram must be able to be designed via drawable and modifiable topology by drag draw. The management console shall have the following minimum capabilities: <ul style="list-style-type: none"> i. Create/Destroy VMs ii. Create/Manage the network between VLANs and VMs iii. Manage storage iv. Manage the physical appliance (server) v. Monitor network, storage and compute vi. Create VM snapshots, VM templates and VM copies vii. Manage the virtual firewall. g. Rated line voltage of physical appliance: 100 to 240 VAC; h. The HCI solution must be in standard rack-mounted form not exceeding 6U. All the accessories to deploy the solution in the Server Room must be included; i. The solution has the capability to automatically extend resources (CPU, RAM, storage) with the supportability of guest OS once critical level is reached; j. The solution must support agentless USB anywhere for the convenience of USB drive or authentication key. 			

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- k. The solution must be able to conduct one click health check to locate the problem and offer workaround.
- l. The solution must provide a backup system that utilizes historical snapshots of VMs.
- m. In case of future expansion, the solution should be able to add additional security components such Virtual Firewall with APT, virtual WAN optimization, virtual SSL VPN, virtual bandwidth manager with the same brand by adding the license
- n. The HCI must have end to end security functionality
- i. Distributed firewall to offer micro-segmentation for VMs

Video Conferencing Equipment:

LED Smart Television Set: Screen size = 65" 4K UHD, LED Backlight, with adjustable high quality metal mounting stand (preferably stainless)

Video Conferencing Group Kit with Next Unit of Computing (NUC) Pre-configured: Group Conference Camera = FullHD 1080p 30fps, 10x lossless Hdzoom 260 degree pan, 130 degree tilt, 90 degree field of view H.264 UVC 1.5 with scalable video coding (SVC), Auto focus, 5 camera presets; Speakerphone = Full-duplex performance, acoustic echo cancellation, Noise reduction technology, ultra-wide band audio, wireless; Microphone = Four omni-directional microphones supporting 20-foot diameter, <1%@ 1KHz at 106dB distortion, 100Hz-11KHz frequency response, -28dB +/-3dB sensitivity; Speakers = 120Hz - 14KHz frequency response, 83dB SPL +/-3dB at 1W/1M sensitivity; Max. Output = 91dB SPL with <5% from 200Hz distortion; Hub/Cable = Central mountable hub for connection of all components, Two cables for connection between hub and camera/speakerphone, One USB cable for connection to PC/Mac (Length = 3m/9.8'); Mount = Dual purpose mount for wall placement or for elevating the camera on a table; Remote control = Dockable, 8.5m/28-foot range; Intel NUC Kit (minimum specifications) = Fully pre-configured, NUC5i5MYHE, 8GB DDR3L RAM, Dual Band Wireless-AC 7265, Intel SSD Pro 2500 Series (240GB), Professional edition of latest OS, UC Workspace Quicklaunch PE (Prof. Edition), Screen Share Device, Professional Wireless Touch Keyboard, Mini Display Port to HDMI adapter, Cabling & Mounting hardware, 10.1" Touch Screen monitor, Group expansion microphones (set of 4)

Surround Sound Speaker System: THX Surround Sound 5.1 Channel, 1000 watts peak/500 watts RMS power, can connect up to 6 compatible devices via 3.5mm, 6-channel direct, digital coaxial and optical inputs, Subwoofer 165W, Satellites 4x65W wall mountable, center channel 1x67W wall mountable, Control console and wireless remote, RCA input 1, 3.5mm input 1.

Pro Webcam Ultrawide Angle HD Webcam (14 units): FullHD video calling, 90degree field of view, H.264/SVC video compression, Zoom to 4x in 1080p, Autofocus, Tripod-ready universal clip fits laptops, LCD or CRT, Adjustable brightness and contrast, Plug-and-play USB connectivity, Convenient privacy shutter.

Mobile Speakerphone (14 units): Loudspeaker 140Hz to 16kHz frequency HIFI audio, Omni-directional microphone 360 degree coverage, Auxillary audio output 3.5mm jack @ 20Hz to 20kHz, Wideband audio/USB and bluetooth connectivity, Includes Travel case and phone spacer.

Wireless Headset for Business (14 units): DECT spectrum wireless connectivity, Wireless range capable up to 100 meters, Wideband talk time capable up to 10 hours, Microphone Bi-directional ECM, 100Hz - 7kHz, Operating Voltage 1.4-5.0 v DC, Speakers 150Hz-7kHz, <4%@1kHz, 0dBm0, 1kHz.



Scope of Work for Video Conferencing Equipment:

The scope of work shall cover the following: Supply, delivery, installation/configuration and testing of all video conferencing equipment including hands-on training for seven (7) PhilFIDA personnel on the use, configuration, maintenance and upgrade of the equipment.

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		<p>General Minimum Requirements: The supplier must provide a solution from a brand that has global presence and has a local office in the Philippines. The brand for the hardware components must have a local depot or warehouse of replacement parts. Must provide three (3) years warranty on Firewall and Server. Must have a project implementer from principal that is CISSP certified. The principal must be CMMI L5 certified.</p> <p>Mandatory Requirements: The Bidder should have Certified Engineers who will do the installation and configuration for the Firewall and Server. Must be an authorized product reseller and/or installer certified by the manufacturer.</p> <p>Warranty: 3-years warranty for Firewall and HCI Server 1-year warranty for video conferencing equipment</p> <p>Delivery period: Sixty (60) calendar days</p> <p>Delivery place: PhilFIDA Central Office, Quezon City</p>			
		Total			5,378,000
		Chargeable against: TAD-MITHI 2019 Fund.			

Purpose: For use in the establishment of application server, network and video conferencing facilities in PhilFIDA Central Office.

	Requested by:	Approved by:
Signature	 LEA A. FERNANDEZ Chief - TAD	 KENNEDY T. COSTALES Executive Director III
Printed Name		
Designation		

Entity Name: **PhilFIDA**

Fund Cluster: 101

PR No.: 19-03-664

Office/Section: PICTU	PR No.: <u>19-03-664</u> Responsibility Center Code _____	Date: March 4, 2019
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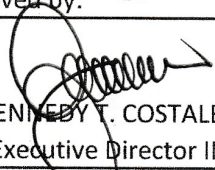
Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
1	units	1 Lot Supply and delivery of Branded and Brandnew Monochrome Laser Multifunction Printer Functions: Print, Copy, Fax, Scan Print speed: up to 40ppm; Resolution: up to 1200dpi First Page Out: As fast as 5.7 sec Maximum monthly volume: at least 80,000 pages Capable of wireless and duplex printing Scanner type: Flatbed and ADF; Resolution up to 1200x1200 dpi Duplex ADF Scanning Digital Sending standard: scan to email, network and cloud Copy speed: at least 38 cpm	22		1,853,750
2	units	Ink Tank System Multifunction Printer Functions: Print, Scan, Copy Refillable Ink Tank, ADF, borderless, wireless and high volume printing and fax Print speed: at least 8.5ipm black/4.8ipm color Max. printing resolution: at least 4800x1200dpi First Page Out: As fast as 11 secs. B/W Scanner type: Flatbed and ADF; Resolution up to 600x1200 dpi	25		
3	units	High Yield Genuine toner for Item #1	22		
4	sets	Genuine Ink (Blk,CMY) for Item #2	25		
Total					1,853,750
Item #1 & 3: Chargeable against MITHI Fund 2019 Item #2 & 4: Chargeable against MITHI Fund 2018 Continuing					

PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY
QUEZON CITY
RECEIVED
 Date: 03/14/2019
 By: M. J. Kennedy
 SAC SECRETARIAT

3/12/19
 Date
Purchase Request 19-03-664
budget is within the TAP
approved 2019 APP & C Division
2018 Continuing Appropriation
Appropriation
provides
 SAC Secretariat

Delivery period: Thirty (30) calendar days
Other requirement: Bidders must have dealership certificate on all items.

Purpose: For use by the PhilFIDA personnel nationwide.

	Requested by:	Approved by:
Signature	 LEA A. FERNANDEZ Chief - TAD	 KENNEDY T. COSTALES Executive Director III
Printed Name		
Designation		

3/20/19