



REPUBLIC OF THE PHILIPPINES  
**PRESIDENTIAL COMMUNICATIONS OPERATIONS OFFICE**  
*Tanggapang Pampanguluhan sa Operasyong Pangkomunikasyon*  
Malacañang, Manila

## SUPPLEMENTAL BID BULLETIN No. 004

*Negotiated Procurement of Information Technology (IT) Equipment  
and Software Applications*

Contract No. 2019-PCOO-1-008a

Monday, 09 March 2020

### **Amendments to Section VII Technical Specifications**

Upon consideration of all the issues and concerns raised by the suppliers during the Preliminary Conference held on 09 March 2020 with regard to the technical specifications, the Bids and Awards Committee (BAC) resolved to update the descriptions for each lot to ensure compliance with the requirements under the RIRR of Republic Act No. 9184 (Government Procurement Reform Act) as follows<sup>1</sup>:

Lot A			
Bandwidth Management Appliance			
I.T Negotiated Procurement			
Approved Budget for the Contract: Php 3,800,000.00			
Qty: 1			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Form Factor	<u>1U to 4U</u>	Delivered and completely installed within forty-five (45) calendar days from Receipt of Notice to Proceed.	One Time Payment
Memory	At least 4GB		
HDD Capacity	At least 1TB		
Operating Temp	0 - 40 °C		
Power Supply	Internal auto-ranging 90-264 VAC, 50-60 Hz		
I/O Ports	USB 3.0, Micro USB, COM (RJ 45), Serial, SFP (Front/Back)		
Network Interface	Must support 10/100/1000 Base -T, SFP, SFP+		
FW Throughput	At least 2 Gbps		
IP Flows (TCP/UDP)	>100,000		
Active Tunnels	> 300		
Device Management	Web based Management /SNMP/ Remote Syslog / Console Access		
Load Balancing	Yes		
Traffic Shaping/Reservation	Yes		
Shaping Policy	Unlimited		

<sup>1</sup> updates have been underscored

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Routing/Firewalling	Yes		
URL filtering (e.g. Proxy Control, Key Word Filtering)	Yes		
QoS	Yes		
IPV 6 Support	Yes		
Detailed Reporting	Yes		
Authentication & Access Control	Yes - At least with Active Directory/LDAP/RADIUS Authentication		
External Switch	48 port Gigabit Manageable Switch, Non-POE (Separate Unit)		
Others	Configuration and End-user free training		
Certifications	At least with one of the following CE, FCC , CB, RCM, RoHS		
Warranty	3 years hardware and subscriptions license		

Lot B			
Approved Budget for the Contract: Php 1,832,200.00			
I.T Negotiated Procurement			
1			
Wireless Controller (with 25 Access point Licenses)			
Qty: 1			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Hardware Features	<u>1U to 2U</u> At least two port 10/100/1000Mbps (Redundant port) Power Supply 100~240V AC	Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
Software Features	Up to 500 Access Points that can be manage.		
	At least 1,024 WLAN supported.		
	Built-in DHCP server		
	Web Base Dashboard GUI		
	1+1 redundancy with auto synchronization		
	Mesh Networking control and monitoring		
	WISPr Client Support		
	Support band balancing		
	With built-in captive portal		

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	Support ActiveDirectory/RADIUS/LDAP		
	Local authentication database		
	Dynamic VLAN assignment		
	Support guest access		
	BYOD, ZeroIT		
	Support Hotspot WISPr		
Licenses	With licensed for 25 Access Points		
Compatibility	Wireless Controller must be compatible with the existing Access Point. (Ruckus Zoneflex R300 and R310)		
Warranty	1 Year Warranty		
Others	Installation, Configuration & End user free Training		

2			
Network Video Recorder (NVR) for CCTV Storage			
Qty: 1			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Video/Audio Input	At least IP Video Input 64-ch	Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
	Two-way Audio Input 1-ch		
Network	Incoming Bandwidth: At least 384Mbps		
	Outgoing Bandwidth At least 384Mbps		
	Remote Users: 128		
	Protocols P2P, UPnP, NTP, DHCP, PPPoE		
Video/Audio Output	HDMI/VGA Output VGA: 1920x1080p /60Hz,		
	1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz,		
	1280x720 /60Hz, 1024x768 /60Hz		
	HDMI1 : 4K (3840x2160) /30Hz, 1920x1080p /60Hz,		
	1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz,		
	1280x720 /60Hz, 1024x768 /60Hz		
	Support HDMI2: 4K (3840x2160) /30Hz, 1920x1080p /60Hz,		
	1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz,		
	1280x720 /60Hz, 1024x768 /60Hz		
	Recording Resolution 12MP/8MP/6MP/5MP/4MP/3MP		
	/1080p/960p/720p/D1/2CIF/CIF		

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	Audio Output 1-ch, BNC		
Decoding	Decoding format Ultra 265, H.265, H.264		
	Live view/Playback 12MP/8MP/6MP/5MP/4MP/3MP/ 1080p/960p/720p/D1/2CIF/CIF At least 16 SATA interfaces HDD can support up to 10TB for each HDD At least 1 e SATA interface		
Features	VCA Detection Face Detection, intrusion detection cross line detection, audio detection, defocus detection		
Disk array	RAID 0/1/5/6/10/50/60 supported		
External interface	At least 4 ports 10M/100M/1000M At least two 1000M SFP Ethernet interface At least 1 x RS232, 1 x RS485 At least USB interface 2 USB 3.0		
Ten (10) pcs hard disk drive for CCTV	At least 10TB each hard disk drive		
Power	Power Supply 100 ~ 240V AC Support Redundant power supply 2 units redundant power supply		
Compatibility	NVR must be compatible with the third – party IP cameras supported With ONVIF conformance; Profile S, G, C, Q, A, T		
Others	Installation, Configuration, and Enduser Free Training		
Warranty	1 year		

3			
Uninterruptible Power Supply (UPS)			
Qty: 1			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Rating (VA/W)	At least 20kVA/16kW	Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
Format	Tower type or 1U to 4U rack mounted		
Electrical Characteristics			
Technology	Online double conversion		
Input voltage	220/230/240V		
Input voltage range without using batteries	176-276V without derating (up to 110-276V with derating)		
Output voltage/THDU	220V/230V/240V ±2 %, THDU		
Input frequency range	45Hz-66Hz, 50/60Hz		
Short circuit current	At least 273A		
Overload capacity	At least 105%-110% : 5min, 110%-130% : 1min, 130%-150% :		

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	10s, >150% : 100ms		
Connections			
Input	Terminal block		
Outputs	Terminal block		
Communication			
Communication ports	At least 1USB port + 1 RS232 serial port		
Software	UPS Software		
Operating conditions,			
Standards and Approvals			
Operating temperature	0 to 40°C		
Approvals	At least with one of the following CE, CB report (TUV)		
Rack			
Managed Rack	Outlet grip plug retention		
	circuit protection		
Warranty	1 year		

4			
Two-Factor Authentication (2FA)			
Qty: 1			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Compatibility	Wordpress	Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
Format	(at least version 5.x)		
User Accounts	At least 50 users		
Multi-Factor Authentication (MFA)	Supported		
Two-Factor Authentication Methods:	At least:		
	• Universal 2-Factor (U2F)		
	• SMS Passcodes		
	• Push Notification		
	• Phone Callback		
	• Security Tokens		
	• Bypass Codes		
Device Support	Smartphones, Desktops		
Code Generation Algorithm	• Time-based One-Time Passcodes; • Hash-based Message Authentication Code (HMAC)-based One-Time Password (HOTP)		

5			
Secure Socket Layer (SSL) Certificate			
Qty: 2			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Validation type (Trust Level)	Extended Validation	Delivered and	One Time Payment

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Signature Strength	Algorithm	At least SHA-256 with ECC option	completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	
Key Encryption Strength		At least 2048-bit		
Cryptographic Version	Protocol	At least TLS 1.2		
Compatibility		All major browsers and devices		
Underwritten Warranty		At least USD 1,500,000		
OTHERS:				
Certificate Qualifications	Provider	Global Public Certification Authority		
Vendor Qualifications		• Local technical support team		
		• Support provision from 9AM to 6PM Monday thru Friday		
		• Local support availability thru phone and email		
SSL/Website Checker with reports	Security evaluation	Included		
Inclusive features		• Trust Seal on website • Secure WWW & NON-WWW Domain as Single Domain Name (Fully Qualified Domain Name or FQDN)		

6			
Satellite WI-FI Hotspot			
Qty (Main Unit): 2			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Main unit		Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
Geographic Coverage	At Least Asia and Europe		
Network	At least 2 Satellites		
Firmware Version	At least includes English		
Main power supply adapter	At Least 100V		
(AC Power Range)	At Most 240V		
Wi-Fi Range	At least 100 ft radius		
Battery Type	Rechargeable battery		
Battery Life - Talk Time	At least 3 hours		
Battery Life - Standby Time (With Wi-Fi)	At least 4 hours		
Battery Life - Standby Time	At least 20 hours		
Services	At least Satellite calls, Text/SMS and data		
Compatibility	At least iOS 6 and up devices, and Android 4.x and up smartphones		
Inclusions	• At least free SIM: • Preloaded with 50 units of load valid for 365 days (Vat-inclusive) • Compatible with Satellite Wi-Fi Hotspot • At least charger, battery,		

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	stand, user manual, warranty card		
Satellite Data Speed	At least 2.4 kbps		
Weight	At most 1 kg		
Dimension (Length x Width x Height)	At most 230 x 200 x 42 mm		
SOS/Assistance Button	Included (if applicable)		
Warranty / Liability Program	Included (if applicable)		
Manufacturer Warranty	1 year		
Additional Load for Data (Qty: 4)	250 units of additional load		

7			
Satellite Phones			
Qty (Main Unit): 2			
MINIMUM TECHNICAL SPECIFICATION	SPECIFICATIONS	Delivery Time	Payment Mode
Main unit		Delivered and completely installed within forty-five (45) calendar days from receipt of the Notice to Proceed.	One Time Payment
Geographic Coverage	At Least Asia and Europe		
Network Frequency	At least L-band		
Firmware Version	At least includes English		
Usage Type	Portable (Handheld)		
PC Compatibility (for Firmware upgrades)	Windows		
Battery Life - Talk Time	At least 4 hours		
Battery Life - Standby Time	At least 30 hours		
Satellite Antenna Design	Omni-Directional		
Services	At least Satellite calls and Satellite Text/SMS		
Inclusions	<ul style="list-style-type: none"><li>with free SIM:<ul style="list-style-type: none"><li>Preloaded with 50 units of load valid for 365 days (Vat-inclusive)</li><li>Compatible with Satellite Wi-Fi Hotspot</li><li>At least charger, battery, stand, user manual, warranty card</li></ul></li></ul>		
Weight	At most 320 grams		
Dimension (Length x Width x Height)	At most 170x85x40 mm		
Organizer features	At least World Time		
Ingress Protection Rating	Indicated		
Programmable SOS button	Included (if applicable)		
Warranty / Liability Program	Included (if applicable)		
Manufacturer Warranty	1 year		
Additional Load for Voice (Qty: 4)	250 units of additional Load		

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For more information, interested suppliers are advised to send their written requests for clarifications to:

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(Original Signed)  
**UNDERSECRETARY MARVIN R. GATPAYAT**  
*Chairperson*  
*Bids and Awards Committee – I*

**CERTIFICATION**

The schedule of Requirements and Technical Specifications are in conformity with the requirements of the end-user unit.

(Original Signed)  
**EMMANUEL ALVERO**  
*End-User Representative*