



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF BUDGET AND MANAGEMENT
 GENERAL SOLANO STREET, SAN MIGUEL, MANILA

BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN (SBB) NO. 1

This SBB No. 1 dated October 3, 2017 for the Project, "Network Security and Optimization," is issued to clarify, modify or amend items in the Bidding Documents. Accordingly, this shall form an integral part of said Documents.

PARTICULARS			CLARIFICATION/AMENDMENT		
SECTION VI. SCHEDULE OF REQUIREMENTS			SECTION VI. SCHEDULE OF REQUIREMENTS		
Item No.	Description	Delivery Date	Item No.	Description	Delivery Date
	Supply, installation, commissioning (<i>device testing and pre-configuration, server and virtualization</i>), and alignment of the devices and security solutions to the DBM enterprise network system	45-Calendar Days upon receipt of Notice to Proceed		Supply, installation, commissioning (<i>device testing and pre-configuration, server and virtualization</i>), and alignment of the devices and security solutions to the DBM enterprise network system	45- Sixty (60) calendar days upon receipt of Notice to Proceed
<p>Note: The official activation of license subscriptions shall be January 01, 2018 with ending on December 31, 2018. However, for the purpose of system configuration and operation ability leading to project acceptance, the Contractor may use demo/proof of concept licenses.</p>			<p>Attached is the Revised Section VI. Schedule of Requirements</p> <p>Note: The official activation of license subscriptions shall be January 01, 2018 with ending on December 31, 2018 is one (1) year and shall commence in 2018. However, for the purpose of system configuration and operation ability leading to project acceptance, the Contractor may use demo/proof of concept licenses.</p>		

SECTION VI. TECHNICAL SPECIFICATIONS

Item	Specifications	Bidder's Statement of Compliance
I	<p>GENERAL CONDITIONS/SPECIFICATIONS</p> <p>A. SCOPE OF WORKS:</p> <p>a. The Contractor shall deliver all goods and services specified hereunder:</p> <p style="text-align: center;">XXXX</p> <p><u>One (1) Unit of Server</u></p> <p style="text-align: center;">XXXX</p> <ul style="list-style-type: none"> • Bundled with 1 year 24x7 Technical Support and Updates (TSU) Single Server License. 	

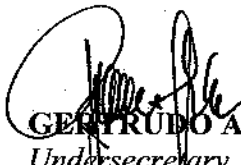
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Attached is the Revised Section VI. Schedule of Requirements

Other matters:

- For authentication purposes, all pages of the bid should be initialed by the authorized signatory.
- The “**No Contact Rule**” shall be strictly observed. Bidders are not allowed to call or talk to any member of the Bids and Awards Committee, Technical Working Group or Secretariat effective October 10, 2017 right after the opening of bids.
- For guidance and information of all concerned.


GERTRUDO A. DE LEON
Undersecretary
Chairperson, DBM-BAC

Section VI. Schedule of Requirements **(Revised)**

The delivery schedule expressed as weeks/months stipulates hereafter the date of delivery to the project site.

Item	SCHEDULE OF REQUIREMENTS	Quantity	Contract Duration
	Supply, installation, commissioning (<i>device testing and pre-configuration, server and virtualization</i>), and alignment of the devices and security solutions to the DBM enterprise network system		Sixty (60) calendar days upon receipt of the Notice to Proceed.
1	Network Security and Optimization with Virtualization	10 Units	
2	Gigabit Ethernet Module	15 Units	
3	Network Access Control	1 Unit	
4	Bandwidth Manager	1 Unit	
5	Unit of Server	1 Unit	
6	Virtualization Software, Media and Licenses	1 Set	
7	Fortigate 90D-PoE	1 Unit	
8	All equipment should be covered by one (1) year service and hardware warranty, and must be compatible with the current setup of the DBM Enterprise Network. Contractor should provide on-site 8x5 Next-Business-Day (NBD) on-site supports with 4 hours response time technical support upon written/oral request from DBM or its authorized representative/s.		
9	Provision for certified professionals to render on-call support and maintenance to DBM		
10	Submission of a copy of Manufacturer's Certificate/Dealership Certificate and Competency Certification		
11	Submission of a certified true copy of Resume, Company ID and Certificate of Employment of the Engineers who will render on-call support and maintenance to DBM, as proof that they are in the roster of employees of the company.		Include in the bid submission

Note:

The official activation of license subscriptions is one (1) year and shall commence in 2018. However, for the purpose of system configuration and operation ability leading to project acceptance, the Contractor may use demo/proof of concept licenses.

I hereby certify to comply and deliver all the above requirements.

Name of Company/Bidder

Signature Over Printed Name of Representative

Date

Section VII. Technical Specifications

(Revised)

Bidders must state here either "Comply" or any equivalent term in the column "Bidder's Statement of Compliance" against each of the individual parameters of each "Specification."

Item	Specifications	Bidder's Statement of Compliance
I	GENERAL CONDITIONS/SPECIFICATIONS	
	<p>A. SCOPE OF WORKS:</p> <p>a. The Contractor shall deliver all goods and services specified hereunder:</p> <p style="padding-left: 40px;">Network Security and Optimization with Virtualization</p> <p style="padding-left: 40px;"><u>Ten (10) Units of Network Switch</u></p> <ul style="list-style-type: none"> - Eight (8) Units for IDFs in Central Office (Building II) - Two (2) Units as replacement for Regional Offices VI & VII <ul style="list-style-type: none"> • 10/100/1000 48 Gigabit Ethernet ports; • Power over Ethernet support with up to 740W; • 4 x 1Gigabit Small Form-Factor Pluggable (SFP) • LAN Base; • USB and Ethernet management interfaces; • Support Identity Service Engine (ISE); • Support Netflow and Netflow-lite; • Support FlexStack-Plus for stacking of up to 8 switches; • IOS 15.2; • 108 Gbps for forwarding bandwidth; • 216 Gbps switching bandwidth; • 128 MB Flash Memory; • 512 MB DRAM; • Maximum of 1023 active VLANs; • Minimum of 4096 VLAN IDs; • Maximum of 9198 byte MTU. <p style="padding-left: 40px;"><u>Fifteen (15) Units of Gigabit Ethernet Module</u></p> <ul style="list-style-type: none"> • Support for the same Ethernet features as supported on the ISR G2 on-board Ethernet ports; • Gigabit Ethernet Dual-Identity Enhanced High-Speed WAN Interface Card (EHWIC) brings both Small Form-Factor Pluggable (SFP) and copper (RJ-45); • Gigabit Ethernet IEEE 802.3z, IEEE 802.3x and IEEE 802.3ab; • IEEE 802.3 with IEEE 802.2 Service Advertising Protocol (SAP); • IEEE 802.3 with IEEE 802.2 and Subnetwork Access Protocol (SNAP); • IEEE 802.1p priority; • IEEE 802.1Q VLAN tagging; 	



- Flow control (IEEE 802.3x);
- Gigabit Ether Channel for link redundancy;
DOM: SFF-8472.

One (1) Unit of Network Access Control

- Devices Up to 2500;
- Bandwidth is 2Gbps;
- Recommended Maximum Number of Managed Switches is 50;
- 4 Copper and 4 Fiber Network Ports;
- Serial port (DB9) for I/O Support;
- 2 back panel USB 2.0 + 1 front panel USB 2.0;
- 1 DB15 VGA port;
- 1 CD-ROM Drive;
- 3 HDD (RAID-1 + HS) Hard Drives;
- 2 Power Supply at up to 750W 100-240VAC;
- Maximum Power Consumption of 744W; and,
- 2U 19" rack mount chassis

One (1) Unit Bandwidth Manager

- Network monitoring device;
- 2U rack-mountable;
- Chassis built-in status LCD;
- **Interface** – one (1) DB-9 Management (RS-232) connector, RJ-45 Management connector;
- **Networking** – Wired connectivity, Traffic shaping features, TCP/IP, UDP/IP Network Transport Protocol;
- Four (4) Expansion Slots;
- **Power Device** – 50/60 Hz Frequency, Hot-plug, two (2) installed power device, maximum of two (2) supported power device, with power redundancy, internal power supply ;
- Five (5) installed Fans;
- **Drives** – 2 x HDD 1TB – 2.5" NL SAS, 2 x SSD: 8GB Slim SATA Module;
- **Memory** – 4 x DDR3 (8GB), 32GB total;
- **Managed Link Speed** – Offering multiple configurations; supports links up to 10 Gbps full duplex. Software configuration determines maximum shaping capacity.

One (1) Unit of Server

- Gen9 E5-2660v4 2P 64GB-R P440ar 8SFF 2x10Gb 2x800W PS;
- **Processor(s)** – one (1) Intel[®] Xeon[®] E5-2660 v4 (14core, 2.0GHz, 35MB, 105W) or higher;
- **Cache Memory** – 35MB Level 3;
- **Memory** – 128GB DDR4 2400 MHz LRDIMM;
- **Network Controller** – 1Gb 331FLR Ethernet Adapter 4 ports per controller and 10Gb 560FLR-SFP+ Ethernet Adapter 2 Ports per controller;
- **Storage Controller** – one (1) Smart Array P440ar / 2GB FBWC;
- **Hard Drive** – eight (8) SFF None ship standard. Supports up to eight (8) SFF SAS, 5TB SAS 7.2;
- **Optical Drive Bay** – SATA DVD-RW;

- **Expansion Slots** – six (6) PCIe slots;
- **Power Supply** – two (2) 800W Flex Slot Platinum hot plug power supply kit;
- **System Fan** – 6-single rotor fans;
- **Management** – With a set of embedded management features supporting the complete lifecycle of the server from initial deployment through on-going management to service alerting;
- **Optional:** Essential server management software to quickly and consistently provision, manage, control and optimize the server;
- **Energy Efficiency** – ENERGY STAR[®] qualified;
- **Form Factor** – 2U fully configured;
- **Warranty** – Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with NBD response;
- **Bundled with 1 year 24x7 Technical Support and Updates (TSU) Single Server License. Microsoft Server 2016 Standard**

One (1) Set Virtualization Software, Media and Licenses

Hypervisor Platform with licenses for 3-Hosts (maximum of 2 processors per host), Hypervisor Management Server, and Media with the following capabilities:

- Bare-metal architecture with no dependence on a general purpose OS for greater reliability and security;
- The hypervisor has to have a very small code base. The total form factor, including the general purpose OS that it uses, has to be less than 300 MB;
- The virtual infrastructure has to support tight integration with storage array for Disaster Recovery purpose;
- The hypervisor has to support Page Sharing among guest OS to enable Memory Over-commit at the hypervisor layer;
- The virtual infrastructure can be upgraded to support a full automation;
- For back up of virtual machines, full integration with popular backup software;
 - Workflow engine;
 - 1-year subscription for updates and upgrades.

One (1) Unit of Fortigate 90D-PoE

Hardware Specifications

- Two (2) GE RJ45 WAN ports;
- Ten (10) GE RJ45 Switch ports;
- Four (4) GE RJ45 PoE ports;
- Two (2) USB ports;
- One (1) USB Management port;
- One (1) Console port;
- 32GB internal storage;
- One (1) installed Hard Drive;
- Wired Connectivity Technology;



- PC Compatible;
- Includes: 8X5 Hardware Replacement, Firmware and General Updates (Firmware Updates, Analysis And Management Services and Vulnerability Management), 8x5 Enhanced Support, AV, IPS/Application Control, CF, and AS for 12 months.

System Performance

- 3.5/3.5/3.5 Gbps Firewall Throughput (1518/512/64 byte UDP packets);
- 4µs Firewall Latency (64 byte UDP packets);
- 5.3 Mpps Firewall Throughput (packets per second);
- 2 Million Concurrent Sessions (TCP);
- 4,000 New Sessions/Second (TCP);
- 5,000 Firewall Policies;
- 1Gbps IPsec VPN Throughput (512 byte packets);
- 200 Gateway-to-Gateway IPsec VPN Tunnels;
- 1000 Client-to-Gateway IPsec VPN Tunnels;
- 35 Mbps SSL-VPN Throughput;
- 200 Concurrent SSL-VPN Users (Recommended Maximum);
- 275/41 Mbps IPS Throughput (HTTP/Enterprise Mix);
- 35 Mbps SSL Inspection Throughput;
- 60 Mbps Application Control Throughput;
- 25 Mbps NGFW Throughput;
- 22.5 Mbps Threat Protection Throughput;
- 260 Mbps CAPWAP Throughput;
- 10/10 Virtual Domains (Default/Maximum);
- 32/16 Maximum Number of FortiAPs (Total/Tunnel Mode);
- 100 Maximum Number of FortiTokens;
- 200 Maximum Number of Registered FortiClients;
- Active/Active, Active/Passive, Clustering High Availability Configurations.

Power Device

- AC 120/230 V Nominal Voltage;
- 50/60 Hz Frequency;
- 59 Watt Operational Power Consumption.

- b. The Contractor shall full install and configure all equipment and its accessories, including the license/s activation to ensure interoperability and operationability with the DBM enterprise network system.
- c. The Contractor shall resolve problems on the software and hardware components within 24-working hours from the time it was reported during the warranty period. Resolution shall refer to a condition wherein the reported problem is resolved by the Contractor to the satisfaction of DBM. Problem and resolution shall be logged in the DBM Help Desk Facility.

	<p>d. The Contractor shall replace the defective parts/accessories of the same or better brand, model features, quality and functionalities if it is not repairable within the allowable resolution time of 24-working hours at no additional cost to DBM within the warranty period.</p> <p>e. The Contractor shall provide service unit of at least the same brand, model features and functionalities or its equivalent shall be made available and operational within 4-hours from the time the problem has been reported by DBM for the equipment undergoing repair. However, mandatory replacement of defective unit with a brand new unit of the same or better brand or model shall be made, if not repaired beyond 1-month from the time the service unit was provided.</p> <p>f. The Contractor shall provide/render 24 x 7 technical support service within 4-hours response time to DBM during the 1-year comprehensive warranty period. Technical support can be delivered in a form of telephone call, electronic mail, or on-site support.</p>	
II	SERVICE LEVEL AGREEMENT	
	<p>A. TERMS AND CONDITIONS:</p> <p>a. The computation of allowable resolution time shall be based on working hours. Hence, if allowable resolution time falls on weekends, holidays and beyond 5:00 p.m. of weekdays, it shall be continued on the next working day.</p> <p>b. The computation of penalty, after the allowable resolution time, shall be based on 24x7 (i.e. 24 hours a day, 7 days a week) from Mondays to Fridays including Saturdays, Sundays and holidays. Computation of penalty stops once a service unit is provided.</p> <p>c. The DBM shall have the right to blacklist the Contractor after 24 instances of non-compliance to Section VI. Schedule of Requirements and Section VII. Technical Specifications at any given time during the warranty period.</p>	
III	WARRANTIES OF THE CONTRACTOR	
	<p>a. The Contractor warrants that it shall conform strictly to the terms and conditions of this TOR.</p> <p>b. The Contractor warrants, represents and undertake reliability of the services and that their manpower complements are legitimate regular employee/s and certified professionals. The Certified Professionals shall be an organic component of the Project for the active devices & security solutions testing, configuration and network interoperability implementation.</p>	

	<p>c. The Contractor shall coordinate with the authorized and/or designated DBM personnel in the performance of their jobs.</p> <p>d. The Contractor shall neither assign, transfer, pledge, or subcontract any part or interest therein.</p>								
IV	CONFIDENTIALITY OF DATA								
	<p>a. All project personnel of Contractor shall be required to sign a non-disclosure agreement.</p> <p>b. The DBM Enterprise Network System, its components, part and all products, product samples and specifications, data, ideas, technology, and technical and non-technical materials, all or any of which may be derived from any of the foregoing (all of which, individually and collectively, referred to as "Proprietary Information") are confidential and proprietary to DBM.</p> <p>c. The Contractor agrees to hold the Proprietary Information in strict confidence. Contractor furthermore agrees not to reproduce, transcribe or disclose the Proprietary Information to 3rd parties without prior written approval of the DBM.</p>								
V	PRE-TERMINATION OF CONTRACT								
	<p>a. The contract for the procurement of Network Security and Optimization equipment may be pre-terminated by the DBM for any violation of the terms of the contract. In case of pre-termination, the Contractor shall be informed by the DBM 30-days prior to such pre-termination.</p> <p>b. In case of pre-termination, the Contractor shall be liable to liquidated damages equivalent to 1% of the contract price as provided by the Government Accounting and Auditing Manual (GAAM) and forfeiture of the Performance Security.</p> <p>c. The DBM shall have the right to blacklist the Contractor in case of pre-termination.</p>								
VI	Provision for certified professionals to render on-call support and maintenance to DBM								
	<table border="1"> <tr> <td>Manufacturer's Certified Internetwork Expert</td> <td>2 personnel</td> </tr> <tr> <td>Manufacturer's Certified Network Professional</td> <td>2 personnel</td> </tr> <tr> <td>Manufacturer's Certified Network Security Professional</td> <td>2 personnel</td> </tr> <tr> <td>VMWare Certified Professional</td> <td>2 personnel</td> </tr> </table>	Manufacturer's Certified Internetwork Expert	2 personnel	Manufacturer's Certified Network Professional	2 personnel	Manufacturer's Certified Network Security Professional	2 personnel	VMWare Certified Professional	2 personnel
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	<p>a. Bidders shall include in their bid submissions a copy of Manufacturer's Certificate/Dealership Certificate and Competency Certification.</p>								

	<p>b. Bidders must also include in their bid submissions a certified true copy of Resume, Company ID and Certificate of Employment of the Engineers who will render on-call support and maintenance to DBM, as proof that they are in the roster of employees of the company.</p>	
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I hereby certify to comply with all the above Technical Specifications.

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Name of Company/Bidder

Signature Over Printed Name of Representative

Date