



PURCHASE ORDER

Supplier: ADVANCE MICROSYSTEMS CORPORATION Address: 1104-E Philippine Stock Exchange Center, Ortigas Center, Pasig City TIN: 000-152-057-000 Account No.: 003-342-1001-38 Bank: LBP - DECS Ext. Office Pasig Branch Telephone: 635-4181/635-3049 Fax: 635-3049	P.O. # 023-12-198 Date: December 29, 2023 Mode of Procurement: Public Bidding
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Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: OFFICE OF THE SOLICITOR GENERAL	Delivery Term: w/n thirty (30) days upon receipt of the Notice to Proceed (NTP)
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Date of Delivery:	Payment Term: w/n thirty (30) days from completion of the delivery upon final issuance of the Inspection and Acceptance Report (Bank to Bank)
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Stock No.	Unit	Description	Qty.	Unit Cost	Amount
	Lot	SUPPLY, DELIVERY, INSTALLATION, AND CONFIGURATION OF: OSG DATA CENTER WITH WIDE AREA NETWORK SOLUTION & NEXT GENERATION FIREWALL FOR MULTI-BRANCH SETUP AND OSG RELOCATED DIVISION'S DATA AND NETWORK INFRASTRUCTURE HYPER CONVERGED INFRASTRUCTURE WITH SINGLE INTEGRATED RACK SOLUTION 1. SINGLE INTEGRATED RACK SOLUTION Vertiv SmartCabinet ECO (42RU x 600 x 1200) Cabinet Size (HxWxD): 2150x600x1200 (mm) Usable U Space: 24U Condenser Unit: Integrated Rack Design: Fully Enclosed Containment Display Panel: 9 inch LCD Touchscreen Cooling Capacity: 900 W ~ 3500 W, Variable Speed LED Lighting: Front & Rear UPS (Liebert ITA2): 6KVA UPS Power Factor: 1.0 IT System Capacity: ≤3kW System Input Requirement: 50A/1P, 220/230/240Vac System Frequency: 50Hz & 60Hz Power Distribution Units (PDU): 16A Input, 12xC13+4xC19, 2pcs Refrigerant: R410A Emergency Fan: Yes Centralized Monitoring & Management: Yes Water Leak Detection: 1 piece, 5 meters long Door Lock System: Smart Lock (Glass Door); Mechanical Lock (Steel Door) Safety Standards: EN 62368:2014+A11:2017 EMC Standards: EN 55032:2012 EN 61000-3-12:2011 Noise Level: Normal Operation ≤75dB; ECO Mode ≤50dB Net Weight: ≤350 kg High Availability (Cooling): Yes 2. SUPPLY, DELIVERY, AND INSTALLATION OF THREE (3) NODES PRE- VALIDATED HYPER-CONVERGED INFRASTRUCTURE (HCI) SYSTEM 3 Nodes Lenovo ThinkAgile VX5530 Appliance VX Offering Type: Appliance Target Workloads: Storage Heavy Base MTM: 7Z63CTO3WW Form Factor: 2U Base Platform: SR650 V2 CPU: 1x or 2x Intel Xeon SP Gen 3 Memory: 32x DDR4 3200 MHz (4TB maximum) Drive Bays: 16 x 3.5" (HS) Drive Configurations: All Flash Hybrid Disk Groups: 1-5 HBA: 430-8i HBA; 430-16i HBA Boot Drives: 2x M.2 SATA; 2x 7mm hot-swap CCP Networking: 1x OCP 3.0 adapter 10Gb, 25Gb PCIe Networking: Up to 7x adapters 10GBASE-T, 10G, 25G, 100G GPUs: No support Hypervisor: ESXi 7.0 U2 Inclusions: Software - Vmware vSAN	1	Php 17,449,700.00	Php 17,449,700.00

Stock No.	Unit	Description	Qty.	Unit Cost	Amount
		<p>Switch - Aruba 6300M 24SFP+ 4SFP56 Switch Hot-swappable power supplies and fans - 2x Aruba X371 12VDC 250W AC Power Supply Accessories - 6x Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver Warranty - With at least a Lifetime Warranty on parts and include Aruba 1Y FC NBD Exch 6300M 24SFP SVC</p> <p>3. NETWORK ATTACHED STORAGE (For Backup and Replication) Synology SY-RS1221+ 2U 8 Bay Rackmount NAS with Synology SY-RKS-02 Rail Kit CPU: AMD Ryzen™ V1500B quad-core 2.2GHz Hardware Encryption Engine: Yes (AES-NI) Memory: 4 GB DDR4 ECC SODIMM (expandable up to 32 GB) Compatible Drive Types: 8 x 3.5" or 2.5" SATA HDD/SSD Hot Swappable Drives: Yes External Ports: - 2 x USB 3.2 Gen 1 ports; 1 x Expansion port (eSATA) Form Factor: Rackmount 2U Size (HxWxD): RS1221+: 88 x 482 x 306.6 mm (with server handles) Weight: RS1221+: 6.9 kg; Rack Installation Support: RS1221+: 2-post 19" rack (direct mounting), 4-post 19" rack LAN Ports: 4 x 1 GbF RJ-45 Wake on LAN/WAN: Yes PCIe 3.0 Slots: 1 x 4-lane x8 slot; Supports 10GbE/25GbE network Interface cards and M.2 NVMe SSD adapter cards for SSD cache Scheduled Power On/Off: Yes System Fans: 2 x (80 x 80 x 25 mm) AC Input Power Voltage: 100 V to 240 V AC Power Consumption: RS1221+: 49.98 W (Access), 22.64 W (HDD Hibernation) Power Frequency: 50/60 Hz, Single Phase Operating Temperature: 0°C to 35°C (32°F to 95°F) Storage Temperature: -20°C to 60°C (-5°F to 140°F) Maximum Operating Altitude: 5,000 m (16,400 ft) Inclusions: 6x Synology HAT5300-12T 12TB Enterprise SATA HDD</p> <p>WIDE AREA NETWORK SOLUTION WITH NEXT GENERATION FIREWALL FOR MULTI-BRANCH SETUP 1. UPGRADE AND REPLACEMENT OF EXISTING FIREWALL SonicWall NSa 3700 Secure Upgrade Plus-Essential Edition 2 years Firewall Interfaces: 24x1GbE, 6x10G SFP+, 4x5G SFP+, 2 USB 3.0, 1 Console, 1 Mgmt. port Storage: 128GB M.2 Expansion: Storage Expansion Slot (Up to 256GB) Logical VLAN and Tunnel Interfaces (maximum): 256 SSO Users: 40,000 Access Points Supported (maximum): 512 Firewall/VPN Performance Firewall Inspection Throughput: 5.5 Gbps Threat Prevention Throughput: 3.5 Gbps Application Inspection Throughput: 4.2 Gbps IPS Throughput: 3.8 Gbps Anti-malware Inspection Throughput: 3.5 Gbps TLS/SSL Inspection and Decryption Throughput (DPI SSL): 850 Mbps IPSec VPN Throughput: 2.2 Gbps Connections per second: 22,000 Maximum Connections (SPI): 2,000,000 MAX DPI-SSL Connections: 150,000 Maximum Connections (DPI): 750,000 VPN Site-to-site VPN Tunnels: 3,000 IPSec VPN Clients (max): 50(1000) SSL VPN Licenses (max): 2(500) Encryption/Authentication: DES, 3DES, AES (128, 192, 256-BIT)/MD5, SHA-1, Suite B Cryptography Key Exchange: Diffie Hellman Groups 1, 2, 5, 14v Route-based VPN: RIP, OSPF, BGP Certificate Support: Verisign, Thawte, Cybertrust, RSA Keon, Entrust and Microsoft CA for SonicWall-to-SonicWall VPN, SCEP VPN Features: Dead Peer Detection, DHCP Over VPN, IPSec NAT Traversal, Redundant VPN Gateway, Route-based VPN Traversal, Global VPN Client Platforms Support: Windows 10 NetExtender: Windows 10 and Linux</p>			