



**Republic of the Philippines**  
**PHILIPPINE HEALTH INSURANCE CORPORATION**

PhilHealth Regional Office IVA  
AMCJ Square Building, Diversion Road, Brgy. Bocohan, Lucena City  
Healthline (042) 373-7782 region4a@philhealth.gov.ph

## PURCHASE ORDER

Supplier:	<b>HLYC TRADING</b>	P.O. No.:	13-064
Address:	1133E Aguilar St., Sta. Cruz, Manila	Date:	05/10/13
Tel./Fax No.:	(02) 998 1070	Terms of Payment:	on account
Supplier Registered with:			public bidding

Please deliver to this office within **30** days from receipt hereof of the following

QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
5	units	<b>LAPTOP: ACER TM 243-MG-53212G75Mtkk</b>	37,740.00	188,700.00
		Processor		
		Intel Core i5		
		Clock speed		
		Memory :		
		Installed RAM		
		RAM Technology		
		Video Memory		
		Screen Size		
		Built-in Speakers		
		Capacity of HDD		
		Speed of HDD		
		DVD Writer		
		With Mouse and Pad		
		Ports :		
		USB x Serial (if no serial provide USB to serial converter)		
		Battery Life		
		With carrying Case		
		Built in Wi-Fi capability (802.11 a/b/g) + Bluetooth + LAN GB		
		Software		
		Windows 7 64bit Professional or higher (preferably Original CD)		
		Windows 7 Recovery CD (bundled with Windows 7 installer CD)		
		Note : If not bundled, provide a separate Windows 7 Professional installer CD)		
2	units	<b>PRINTER, LASERJET, NETWORK, KYOCERA FS-4020DN</b>	48,875.00	97,750.00
		Minimum Speed (pages per minute Type)		
		Minimum Processor Speed		
		Minimum Warm Up Time (first page out)		
		Standard Input Tray		
		Minimum Print Resolution (dots per inch)		
		Memory (Minimum)		
		Interfaces Supported		
		Network Connectivity		
		Connectivity		
		Printer Cable		
		Manuals, software driver and print management software		
		Warranty		

**LAYER 3 NETWORK SWITCH, 24 PORTS 10/100,  
MANAGEABLE, HP V1910-24G SWITCH-SWITH 24 PORTS-  
MANAGED-RACK-MOUNTABLE**

1. Number of ports	purpose ports
2. Switching capacity	capacity
3. Forwarding Performance	At least 41.7 Mbps
4. Port speed	45 100/1000MbpsDFP Port Density
5. Switching	Full Layer 2 Switching and basic Layer 3 capabilities
6. Optics	Must be able to support 100/ 1000Mbps and Gigabit Ethernet Optics: SX, LX, LH, 1000Base-BX
7. MAC Addresses, VLANs, STP, Trunks	Number of MAC Addresses: at least 16,000 Number of VLANs: at least 4,096 Must support STP Must Support Port Trunking
8. Link and Protocol Resilience	Must support Link Aggregation and Control Protocol (LACP) Must have Loop Detection
9. VLAN	Must have 802.1x Authentication and Dynamic VLAN Assignment Must Have MAC Based VLANs
10. IEEE Standards Compliance	802.1D; 802.1p; 802.1s Multiple Spanning Tree; 802.1Q Tagging and Priority; 802.1W Rapid Spanning Tree; 802.1x Port-based Authentication; 802.3 10Base-T; 802.3ad Link Aggregation; 802.3u 100Base-TX; 802.3x Flow Control; 802.3z 1000Base-SX/ LX; IEEE 802.1AB LLDP; IEEE 802.3ab 1000BaseT
11. IP Multicast	IGMP Snooping; IGMPv1 and IGMPv2
12. Layer 2 Features	ACL support; DHCP Assist; Jumbo Frames; Lock Filtering; Dual Mode VLANs (Voice VLAN); MAC-Layer Filtering; Mirror/ Monitor Ports Must support STP
13. Layer 3 Features	Address Resolution Protocol Entries : at least 2,000 Unicast Routes : at least 6,500  Routing Protocols : RIPv1/v2, OSPF Static Routing (BFD)
14. Management and Control	BootP (RFC 951 & RFC 1542; Bridge MIB (RFC 1493); Configuration Logging; Ethernet Interface MIB (RFC 1643); Ethernet MIB (RFC 1643); Embedded HTTP; Industry Standard Command Line Interface (CLI); Web based graphical user interface; sFlow (FRC3176); MIB-II (RFC 1213); SNMP v1/ v2c; Support for Multiple SysLog Servers; TELNET (RFC 854); TFTP (RFC 783)
15. Security	Authentication, Authorization,, and Accounting (Standard and EXEC Level); Protection for denial of service attacks; RADIUS; Secure Copy
16. Scalability	Must be stackable for future expansion

4 units

20,500.00

82,000.00

17. Mounting	Mounts in an EIA-standard 19 in. Rack (includes mounting kits)
18. Customer Service	8-hours/ day On-call Support
19. Warranty	3 years
20. Technical Support	8-hours/ day x 5 days/ week On-site support
21. Response Time	Within 24 hours for <b>on-site support</b> after receipt of report
	Within 1 hour for <b>on-call support</b> after receipt of the report

**NETWORK SWITCH, 24 PORTS 10/100, HP 1910-24 PORTS NETWORK SWITCH**

1. Number of ports	24 ports plus at least 2 multi-purpose ports
2. Switching capacity	Minimum of 56Gbps switching capacity
3. Forwarding Performance	At least 41.7 Mbps
4. Port speed	10/100/1000Mbps Port density Rj-45 100/1000Mbps SFP Port Density
5. Switching	Full Layer 2 Switching; with option to have basic layer 3 capabilities
6. Optics	Must be able to support 100/1000Mbps and Gigabit Ethernet Optics: SX, LX, LH, 1000Base-BX
7. MAC Addresses, VLANs, STP, Trunks	Number of MAC Addresses: at least 8,000 Number of VLANs: at least 255 VLAN IDs : at least 4,000 Must support STP Must Support Port Trunking
8. Link and Protocol Resilience	Must support Link Aggregation and Control Protocol (LACP) Must have Loop Detection
9. VLAN	Must have 802.1x Authentication and Dynamic VLAN Assignment Must Have MAC Based VLANs
10. IEEE Standards Compliance	802.1D; 802.1p; 802.1s Multiple Spanning Tree; 802.1Q Tagging and Priority; 802.1W Rapid Spanning Tree; 802.1x Port-based Authentication; 802.3 10Base-T; 802.3ad Link Aggregation; 802.3u 100Base-TX; 802.3x Flow Control; 802.3z 1000Base-SX/LX; IEEE 802.1AB LLDP; IEEE 802.3ab 1000BaseT
11. IP Multicast	IGMP Snooping; IGMPv1 and IGMPv2
12. Layer 2 Features	ACL support; DHCP Assist; Jumbo Frames; Dual Mode VLANs (Voice VLAN); MAC-Layer Filtering; Mirror/ Monitor Ports Must support STP
13. Management and Control	BootP (RFC 951 & RFC 1542); Bridge MIB (RFC 1493); Configuration Logging; Ethernet Interface MIB (RFC 1643); Ethernet MIB (RFC 1643); Embedded HTTP; Industry Standard Command Line Interface (CLI); Web based graphical user interface; sFlow (FRC3176); MIB-II (RFC 1213); SNMP v1/v2c; Support for Multiple SysLog Servers; TELNET (RFC 854); TFTP (RFC 783)

20,500.00

20,500.00

14. Security	Authentication, Authorization,, and Accounting (AAA); Bi-level Access Mode (Standard and EXEC Level); Protection for denial of service attacks; RADIUS; Secure Copy (SCP); Secure Shell (SSHv2) TACACS/TACACS+; Username/ Password
15. Scalability	Must be stackable for future expansion
16. Mounting	Mounts in an EIA-standard 19 in. Rack (includes mounting kits)
17. Customer Service	8-hours/ day On-call Support
18. Warranty	3 years
19. Technical Support	8-hours/ day x 5 days/ week On-site support
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<b>IT DEVICE, NETWORK ATTACHED STORAGE DEVICE , 2TB, NETGEAR RNDP4000-100AJS</b>	
Device Type	NAS Server
Host Connectivity	Must have Gigabit Ethernet
Total Storage Capacity	At least 2TB Capacity
Interfaces	1 x Ethernet 10Base-T/ 100Base-TX/ 1000Base-T- RJ-45, 3 x Hi-Speed USB
<b>SYSTEM INFORMATION</b>	
<i>Must have the following LED indicators:</i>	1 x Power LED
	1 x System busy LED (booting, upgrade, shutdown)
	2 x Network link + activity LED
	4 x hard drive power LED
	4 x hard drive activity LED
Features	DHCP support, Email alert, Print Server, Dynamic IP address assignment, Access Control List (ACL)
<b>PROCESSOR/MEMORY</b>	
RAM installed	At least 256MB RAM
Flash Memory installed	At least 64MB flash
<b>CABINET (Chassis)</b>	
Built in devices	Must have LCD status monitor
Supported devices/ modules quantity	At least 4 devices
<b>HARD DRIVE</b>	
Type	Standard
Capacity	At least 4 x 500GB
Interface	At least 4 x Serial ATA
Spindle Speed	At least 7200 rpm
Buffer Size	At least 8MB
<b>STORAGE</b>	
Type	Standard
Controller Interface Type	Serial ATA
Storage Controller / Supported Device Type	Hard Drive / Disk Array
Storage Device Quantity	At least 4 minimum
RAID Level	RAID 0, RAID 1, RAID 5
	Auto Rebuild
	Hot swappable
	Hot Spare
	Disk Roaming
Disk Capacity Supported	80/ 120/ 160/ 200/ 250/ 300/ 400/ 500/ 750/ 1000 GB
<b>SOFTWARE / SYSTEM REQUIREMENTS</b>	

1 \ unit

52,500.00

52,500.00 \

		<table><tr><td>Compatible Client Operating System</td><td>Red Hat Linux 9, Debian Linux 3.0, Mandrake Linux 10.0, Red Hat Fedora Core 3, Microsoft Windows Vista Business, Microsoft Windows Vista Ultimate, Microsoft Windows XP, Professional x64 Edition, Microsoft Windows 2000 Professional / XP Professional</td></tr><tr><td>NETWORKING</td><td></td></tr><tr><td>Type</td><td>Network Adapter-integrated</td></tr><tr><td>Data link protocol</td><td>Ethernet, Fast Ethernet, Gigabit Ethernet</td></tr><tr><td>Remote Management Protocol</td><td>HTTP, SNMP</td></tr><tr><td>Networking Services Compatibility</td><td>FTP, FTPS, HTTP, HTTPS, Microsoft CIFS, NFS, Server Message Block (SMB)</td></tr><tr><td>POWER</td><td></td></tr><tr><td>Power Device</td><td>Power supply-internal</td></tr><tr><td>Voltage Required</td><td>AC 120/230 V</td></tr><tr><td>MISCELLANEOUS</td><td></td></tr><tr><td>Compliant Standards</td><td>CE, UI, FCC RoHS, C-Tick</td></tr></table>	Compatible Client Operating System	Red Hat Linux 9, Debian Linux 3.0, Mandrake Linux 10.0, Red Hat Fedora Core 3, Microsoft Windows Vista Business, Microsoft Windows Vista Ultimate, Microsoft Windows XP, Professional x64 Edition, Microsoft Windows 2000 Professional / XP Professional	NETWORKING		Type	Network Adapter-integrated	Data link protocol	Ethernet, Fast Ethernet, Gigabit Ethernet	Remote Management Protocol	HTTP, SNMP	Networking Services Compatibility	FTP, FTPS, HTTP, HTTPS, Microsoft CIFS, NFS, Server Message Block (SMB)	POWER		Power Device	Power supply-internal	Voltage Required	AC 120/230 V	MISCELLANEOUS		Compliant Standards	CE, UI, FCC RoHS, C-Tick		
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				448,050.00																						
		Less taxes: VAT 5%	20,002.23																							
		EWT 1%	4,000.45	24,002.68																						
			=p=	424,047.32																						

#### CONDITION

1. The agency shall impose equivalent to 1/10 of 1 percent of the total value of the undelivered order for each day of delay as liquidated damages.
2. Render your bills in triplicate copies including the original.
3. If the date of receipt of the P.O. by the dealer is not indicated, it shall deemed on the 10th working day from the date of the approval of the P.O.
4. For imported items, IMPORTATION DOCUMENTS specifically showing the condition, serial numbers of the equipment purchased, and tax receipts, should be submitted by the supplier.

Very truly yours,

**MIGUEL T. MACALINAO**  
Division Chief, MSD

Funds available in the amount of: 448,050 -

Approved by:

**FELICIANA O. PASTORPIDE**  
Fiscal Controller IV

**ALBERTO C. MANDURIAO**  
RVP, PRO IV-A

Received copy of P.O. on \_\_\_\_\_  
Date \_\_\_\_\_

By: \_\_\_\_\_

**CONFORME:**

**JANDER BALINO**  
Print Name and Signature of Supplier