



PHILIPPINE RETIREMENT AUTHORITY TERMS OF REFERENCE

Procurement of Server and Related Component

I BACKGROUND

In line with the intention of the agency to enhance its computing environment, the Philippine Retirement Authority (PRA) also capitalized in acquiring servers to optimize storage and file sharing services. likewise, consolidation of corporate documents for easy access and security as well as shared utilization of IT-resources like printers, scanners and other related IT-equipment can be done.

Presently, PRA has two (2) operational servers being used as file servers, access authentication and resource allocation. It caters all end users connected to the network and other services. Said servers are two (2) Dell Power Edge R710 using Microsoft Windows Server 2008 as Operating System (OS).

II PURPOSE

Since these equipment were acquired several years ago and utilize for more than five (5) years, it is deemed imperative to acquire new unit to be used as replacement of the file server in anticipation of possible downtime and hardware failure it may occur in the future due to “wear and tear” condition that may compromise the availability and integrity of critical data that being stored and other services being provided to end users. Moreover, some parts that may damage may presumably out of manufacturing and no longer available in the market due to technological advancement and trends.

III TECHNICAL SPECIFICATIONS

It is desired that the following technical requirements must be complied by the selected supplier.

QUANTITY	SPECIFICATIONS
1 set	<ul style="list-style-type: none">• Intel Xeon processor with 4 processor sockets• 2U Rack• Hot pluggable disk of 2 X 4TB (equally distributed) with max. internal storage of 16TB• capable to handle RAID 1 (disk mirroring) storage scheme• 3.5” or 2.5” Drive Bays SAS, SATA or SSD• Slim Optical bay for DVD-ROM• 8MB or greater per core cache memory with provision to expand• 32 GB DDR3 Memory expandable up to 1.5TB• Redundant hot pluggable power supplies and cooling fans

	<ul style="list-style-type: none"> • Network-ready • 14" LCD Monitor or better • Optical mouse with mouse mat • Keyboard • LCD screen display for server status (optional) • Includes manuals and related documents, installation disks and software licenses, cables and other accessories. • Preloaded with latest licensed Operating System, anti-virus (server) and other server management tools and utilities. • Virtualization options • 3 years warranty period (parts and labor) <p>ASSOCIATED REQUIREMENTS</p> <ul style="list-style-type: none"> • Compliance with IPV6, electromagnetic compatibility, safety standards and energy smart. • provision to 130-150 users • one (1) unit Uninterruptible Power Supply (UPS) with the following specifications; <ol style="list-style-type: none"> 1. Output Power Capacity:3000 KVA/2700 Watts 2. Nominal Input Voltage: 110/220 V 3. Output Frequency (sync to mains): 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal 4. Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof 5. Control Panel: LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators 6. Rack Height: 2U 7. Warranty period of 3 years (parts and labor) 8. Compliant with safety and environmental standards 9. Includes the following: CD with software, Rack Mounting brackets, RS 232 cable, USB cable, User Manual 10. Standard output connections 11. Minimum of 1 hour battery life
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IV APPROVED BUDGET COST:

P 1,200,000.00

V TERMS AND CONDITIONS

In procuring and delivery of the equipment specified in Item III, the following terms and conditions shall apply.

1. Compliancy stated in associated requirements must be supplemented by certificate to be issued by the supplier.
2. PRA must be entitled to software updates within the prescribed license period and other necessary support required by the Authority. Software License Certificate registered under the name of PRA and other pertinent materials and documents must be turned over by the supplier as part of the deliverables.
3. The supplier must provide immediate response time in case of hardware-related problems to be encountered within the warranty period.
4. Hardware component must be replaced with new unit of the same specifications or better if it encountered several malfunctions and underwent several repairs during the warranty period. Loaned units shall be provided by the supplier while the equipment is under repair and troubleshooting. It is desired that troubleshooting must be done on-site and not to be pulled out from the premises of PRA to protect the data stored in the server.
5. Essential training for the management and administration of the said equipment must be provided including all manuals and other pertinent documents. Certificate must be provided by the supplier to the participants who completed the training.
6. Training manuals and other details of training must be provided to PRA within seven (7) working days prior to training schedule. This is to ensure that materials and training activity are consistent and shall be properly delivered.
7. The supplier must provide technical assistance and expertise in configuring the server, installation of essential software, restoration, usability and integrity of existing data and files to be transferred as well as ensure the operational status and high availability of the equipment as desired.
8. The supplier must have the following expertise and experience in providing the required equipment of PRA;
 - a. Expertise and experience in server administration and management, conducting necessary training and the like.
 - b. Ability to provide technical support and services during the warranty period.