



City of Alamogordo

Purchasing Office 2600 N. Florida Ave. Alamogordo, NM 88310 (575) 439-4116 Fax (575) 439-4117

April 24th 2019

Subject: **Addendum No. 1, IFB No. 2019-02 Computer Server"**

Attention: **Prospective Offerors**

Addendum Number 1 is issued to provide changes and/or clarifications to questions asked on the above referenced bid. Changes and/or clarifications to the questions listed below.

Changes by adding and clarifying verbiage:

10TB storage capacity

Mechanical Hardware Based Raid controller

Would like comparison quotes for servers outfitted with Mechanical versus Solid State Drives

And, then for each of the above servers/specs, you want one quoted with one and the other option of storage as follows, correct:

One quote with Mechanical Hard drives (SAS interface)

One quote with SSD (SAS interface)

Question: What form factor would you like? – A tower or a rack server, Blade?

Answer: Rack

Question: If Rack is there size preference ie 1U,2U,4U etc?

Answer: No Preference

Question: How many total Ethernet ports are needed?

Answer: 4 should be sufficient

Question: How many 1gbe ports?

Answer: 4 should be sufficient

Question: How many 10gbe ports?

Answer: Currently our environment is 1gde. Would not be able to benefit from 10 gde ports.

Question: Would you like Windows server 2016 or the Windows server 2019?

Answer: Would prefer 2016

Question: How many fiber channel ports are needed?

Answer: None

Question: Do you have switches needed to connect to this server in your environment or is that something else we could also look at getting you?

Answer: We do not need any additional switches at this point.

Question: Do you need an optical drive? (DVD ROM, or DVD+/-RW)

Answer: If possible yes, but not an absolute "must have".

Question: What level of support are you looking for? - Which of the below support features would you like?

5 days a week, business hours only supported, hardware only with next business day onsite, 24x7 hardware and software tech support and assistance – phone/chat/online, access to experts, proactive monitoring and automated issue detection and notification and case creation, dedicate account manager for support, priority access to specialized support experts, assessments and recommendations at set intervals, monthly reporting and assistance

Answer: 24 - 7 hardware and software.

Question: How many years of support would you like?

Answer: 5 years

Question: What hypervisor would you like to run? - Microsoft Hyper V, VM Ware ESXI, Citrix etc?

Answer: Microsoft Hyper V

Question: What is the use and applications for the new servers?

Answer: Servers will be used as virtual server hosts (6 Virtual Operating System Environments on each server). We want to be able to run a variety of applications that are being migrated from older virtual servers. The following list is the software application and the current specs of each virtual server. Each application listed is running on its own separate virtual server.

- HP Network Monitoring Software
(290GB storage; 12 GB memory; 1 logical processor)

- ScreenConnect
(250GB storage; 8 GB memory; 1 logical processor)
- Microsoft SQL Server
(250GB storage; 24 GB memory; 3 logical processors)
- Superior DMS (Document Management Services)
(250 GB storage; 8GB memory; 1 logical processor)
- FB Suite (Kitchen inventory management software)
(250 GB storage; 8 GB memory; 1 logical processor)

- Cash+ Call Accounting
(250 GB storage; 8 GB memory; 1 logical processor)

Question: What brand do you currently use?

Answer: We have a few brands that we are using: Dell PowerEdge, Lenovo ThinkServer, and IBM System X. Preference would be Dell.

Question: Do you want one server with an all slow spinning disk or the other all flash or two of each?

Answer: We would want the same setup on each server. We are wanting a price comparison between purchasing two servers running spinning disk hard drives, versus two servers running SSDs.

Question: For the all flash is that mixed SSDS you would like?

Answer: Unsure of what is being asked.

Question: What RAID are you going to use?

Answer: Would prefer RAID 10 (RAID 1+0)

Question: Do you need any network cards?

Answer: No. Onboard Ethernet ports are sufficient.

Question: Do you need 10TB of usable capacity or 10tb total capacity? SAS (15K or 10K), SATA/NL SAS 7.2K or SSD, NVMe?

Answer: 10 TB total capacity. After file system overhead and RAID 10, approx. 4.5 TB of usable space.

SAS interface for both mechanical and SSD comparison quotes.

10K rpm (if quoting mechanical hard drives)

Question: What type of hard drives are needed?

Answer: No special preference, other than the requirements listed above.

Question: Do you need a 1gig or 10 gig network card?

Answer: No additional network cards needed. Onboard Ethernet ports will be sufficient.

Question: Would you be willing to run a live optics report for 24 hours to gain a glimpse into your current environment so you are getting exactly what you need?

Live Optics is a free to use software that collects data about your IT environment and associated workloads. Output includes storage capacity, memory utilization, throughput, I/O and more.

Answer: No, Not at this time for live optics

Question: Are you looking for x 2 different servers with same specs as follows:
Virtual host servers with the following specs, plus the correct amount of Windows

Server 2016 Standard core licenses needed to run 6 Virtual Operating System Environments on each server

SPECS: Microsoft Windows server 2016 Standard

Dual processors Intel Xeon Family with 6 cores or higher and a speed of 3.00 Ghz or higher

96GB of Memory or more,

ECC 10TB storage capacity

Answer: As per clarification of specifications. 2 different servers per specs (one quote for mechanical and one quote for SSD)

Question: And, then for each of the above servers/specs, you want one quoted with one and the other option of storage as follows, correct:

One quote with Mechanical Hardware Based Raid controller

One quote with SSD Hardware Based Raid controller

Answer: AS per clarification of specifications. Comparison quote for mechanical vs SSD hard drives.

Question: Are there any specifics on the RAID level requirements etc?

Answer: RAID 10 (RAID 1+0)

10 TB total space. After file system overhead and RAID 10, approximately 4.5 TB of usable space.

All other provisions of the Contract Documents shall remain unchanged. This addendum #1 is hereby made part of the Contract Documents to the same extent as though contained in the original documents and itemized listings thereof.

Please acknowledge this addenda in your proposal.

Thank You
Barbara Pyeatt
Chief Procurement Officer
bpyeatt@ci.alamogordo.nm.us