

INVITATION FOR BID – BID NO. B010042		
ARKANSAS TECH UNIVERSITY Purchasing Department Young Building East End 203 West O Street Russellville, AR 72801-2222 www.atu.edu/purchasing/		BID RESPONSE MUST BE SUBMITTED IN A SEALED ENVELOPE WITH THE BID NUMBER, BID OPENING DATE AND TIME SHOWN ON THE OUTSIDE OF THE ENVELOPE. <i>FAXED BID RESPONSES WILL <u>NOT</u> BE ACCEPTED.</i>
RESPONSE DUE BY: June 10, 2010		TIME: 2:00 p.m.
<i>Company Name and Address:</i>		For additional information, contact Beth Foster, ATU Special Projects Coordinator. Tel: 479-968-0269 Fax: 479-968-0633 Email: efoster@atu.edu
ALTERNATES	To ensure compatibility with existing hardware and software, no alternates will be accepted.	
ITEM NO.	DESCRIPTION	UNIT PRICE
1.	Option A: LEASE-PURCHASE of IBM Server/Storage Systems as per the following specifications, TWO SITES WITH EACH SITE CONTAINING 2 each Base Systems 2 each 27 TB Storage Subsystems 1 each Rack Assembly and other components Any additional charges required <i>Bid amount must include <u>total cost</u> of 60-month lease-purchase, including interest, delivery, installation, training, etc. as itemized below</i>	2 Lots @ \$ _____ ea. = \$ _____
2.	Option B: LEASE-PURCHASE of IBM Server/Storage Systems as per the following specifications, TWO SITES WITH EACH SITE CONTAINING 2 each Base Systems 2 each 43 TB Storage Subsystems 1 each Rack Assembly and other components Any additional charges required <i>Bid amount must include <u>total cost</u> of 60-month lease-purchase, including interest, delivery, installation, training, etc. as itemized below</i>	2 Lots @ \$ _____ ea. = \$ _____
3.	Interest Rate: _____ %	

For technical questions, contact Mr. Merrell Shoptaw, Director of Computer Services at 479-968-0218.

Please provide samples of amortization schedules and any potential contract documents.

Act 2157 of 2005 requires that any business or person responding to a Request for Quotation (Bid) submit their most current Equal Employment Opportunity policy (EEO Policy). A copy of the form is attached and is also available on our web site (www.atu.edu/purchasing/). **This is a mandatory requirement when submitting a bid response. Failure to submit an EEO Policy or response WILL result in rejection of bid.**

The successful bidder will be required to complete a Contract and Grant Disclosure and Certification Form before a purchase order can be issued. This form is available on our web site.

Attachment A: All bidders should note the terms and conditions under which the University may contract with another party.

Successful bidder must agree that all disputes regarding any resultant contract shall be submitted to the Arkansas Claims Commission for adjudication in accordance with A.C.A. § 19-10-201 et seq.

Successful bidder shall not discriminate against any person based on race, religion, color, national origin, sex, age, disability or veteran's status during the term of any resultant contract.

Arkansas Tech University is a Tobacco-free Campus.

ADDITIONAL INFORMATION

The following existing hardware will be used as part of this project:

- a. Hardware Management Consoles (HMC)
- b. SAN and Storage infrastructure
- c. Functional NIM Server

LPARs to be migrated will be running AIX v6.1 prior to the migration; and, the University will be responsible for backing up all data prior to the start of any LPAR migration.

GENERAL SPECIFICATIONS

IBM Server/Storage Replacement Systems.

All hardware and software must meet or exceed the following specifications.

1. All equipment must be new and covered under IBM warranties and/or service agreements.
2. The requested hardware system consists of **two (2) completely redundant sets of equipment**, including both servers and storage arrays. These equipment sets will be installed as one production system and one test/failover system in separate physical locations on the Russellville campus.
3. All equipment and software must be installed by certified IBM engineers. Bidders must include a minimum of 200 estimated project support service hours as part of their bid, **with the option for the University to pay only for actual hours expended plus actual travel expenses incurred.**

The new Power systems will be implemented with dual VIO Server technology. The included support services are to provide customer assistance for creating and implementing this environment and migrating our existing environment to the new one. Information about our present environment will be available upon request by contacting Mr. Merrell Shoptaw, Computer Services, at 479-968-0218.

4. All bids must be quoted based upon a **five-year (5) payout term** including all applicable taxes and expenses. All bids must include IBM 24x7 maintenance and support coverage for the entire 5-year term.

The University DOES pay Arkansas sales tax in the amount of 8.5%. Taxes are to be applied to tangible equipment and maintenance agreements. Neither services nor finance charges are taxable. Software that is downloaded from an Internet site is not taxable; however, if media is provided, it is taxable.

5. Bidders must submit quotes for two optional configurations for the storage arrays:
Option A: Two systems containing approximately 27 TB of available storage on each system.
Option B: Two systems containing approximately 43 TB of available storage on each system.

The option chosen by ATU will be determined by funding availability.

6. All bids must include prepaid shipping FOB Destination. If shipping is to be prepaid and added, an approximate amount must be indicated on this Invitation for Bid.
7. Receipts must be provided for any travel and/or living expenses charged to the University.

SERVICES TO BE PROVIDED BY SUCCESSFUL BIDDER

Implement two new IBM Power Systems with dual VIO Servers:

- a. With University representative, gather data about environment and plan for the desired configuration
- b. Assist the University with updating the HMC code level to support new Power Systems, if necessary
- c. Design and implement new systems with dual VIO Servers capable of LPAR Mobility using the HMC
- d. Design and implement the VLPAR layout for up to ten (10) partitions per Power System utilizing Shared Processors, Dedicated or Shared Memory, Virtual LAN and Virtual or Dedicated I/O using the HMC
- e. Assist the University with sizing and creating rootvg LUNs for new VLPARs on existing SAN
- f. Assist the University with zoning new Power Systems into existing SAN infrastructure
- g. Install and implement the VIO Servers with the latest available server code level including configuring the Shared Ethernet Adapter and virtual storage
- h. Utilize mksysb backups of current LPARs to install on the VLPARs within the new Power Systems
- i. Assist the University with connecting existing storage containing application and database data from current LPARs to new VLPARs
- j. Provide basic skills instruction throughout IBM's service period for up to two (2) customer representatives
- k. Document configuration in an Installation Record document

The pricing requested below will be used for coding and capitalization purposes. The amounts shown on Page 1 are to reflect the **total** cost, including interest.

TECHNICAL SPECIFICATIONS

Item	Description	Quantity
	BASE SYSTEMS - TWO IDENTICAL IBM SERVERS 1. Production Server 2. Test/Failover System <u>EACH</u> system to have the following components:	2 WILL BE REQUIRED
	SERVER: 9117 Model MMB	1 each
0265	AIX Partition Specify	1 each
1803	Integrated, 4 Port – 1 GB Virtual Ethernet, I/O ports	2 each
1815	SAS Cable for triple split DASD backplane	2 each
1853	Operator Panel	1 each
1882	146.8 GB 10K RPM SAS SFF Disk Drive	12 each
2146	Primary OS – AIX	1 each
3671	Serv Interface Cable – 2, 3 and 4 Enclosure	1 each
3679	SAS Cable (AI) – Adapter to Internal drive 1M	2 each
3711	Processor Cable, Two-Drawer System	1 each
3712	Processor Cable, Two, Three or Four Drawer System	1 each
4650	Rack Indicator – Not Factory Integrated	1 each
4981	3.1 GHz Proc Card, 0/16 Core POWER7, 16 DDR3 Memory Slots	2 each
5468	One Processor Activation for Processor Feature #4981	8 each
5600	0/32 GB DDR3 Memory (4x8 GB) DIMMS – 1066 MHz – POWER7 CoD Memory	4 each
5632	System AC Power Supply, 1725 W	4 each
5652	Disk/Media Backplane	2 each
5659	System CEC Enclosure with IBM BEZEL, I/O Backplane and Sys Midplane	2 each
5664	Service Processor	2 each
5735	8 Gigabit PCI Express Dual Port Fibre Channel Adapter	6 each
5762	SATA Slimline DVD-RAM Drive	1 each
5767	2-Port 10/100/1000 Base-TX Ethernet PCI Express Adapter	4 each
5901	PCIe Dual-x4 SAS Adapter	2 each
6006	Power Control Cable (SPCN) – 3 meter	1 each
6458	Power Cable – Drawer to IBM PDU, 14-foot, 250V/10A	4 each
7995	PowerVM – Enterprise Edition	8 each
8212	Activation of 1 GB DDR3 POWER7 Memory	96 each
9300	Language Group Specify – US English	1 each
9440	New AIX License Core Counter	8 each
9444	Other AIX License Core Counter	8 each
	Sub-total for Server Hardware for 1 System	\$_____
	Sub-total for Hardware Maintenance for all hardware listed above to extend warranties for a full 5-year period from the time of installation and acceptance – 24 x 7 – for 1 System	\$_____
	5692-A6P System Software	1 each
1100	DVD Process Charge	1 each
1488	Firefox	1 each
2205	AIX 6 Enterprise Edition Media	1 each

2206	AIX 6 EE Linux Toolbox	1 each
2207	AIX 6 EE Expansion Pack	1 each
2208	AIX 6 EE Update CD	1 each
3435	DVD/CD-ROM	1 each
	5692-A6P System Software	1 each
1101	DVD Process No Charge	1 each
1404	VIOS Expansion Pack	1 each
2201	Virtual I/O Server	1 each
3435	DVD/CD-ROM	1 each
	5765-AEZ IBM AIX Enterprise Edition Version 6.1	1 each
0043	Per Processor – Medium POWER7	8 each
	5765-PVE PowerVM Enterprise Edition	1 each
0003	Per Processor - medium system	8 each
	Sub-total for Server Software for 1 System	\$_____
	5773-AEZ Software Maintenance for AIX EE, 3 Years after 2 year warranty	1 each
1228	Per Processor - Medium POWER7 - 3 Year Reg after 2 year warranty	8 each
1229	Per Processor – Medium POWER7 – 3 Year 7 x 24 Support after 2 year warranty	8 each
	5773-PVE PowerVM Enterprise Edition SW Maintenance 3 Yr after 2 yr warranty	1 each
1003	Per Processor medium system – 3 Year Reg after 2 year warranty	8 each
1005	Per Processor medium system – 3 Year 24 x 7 Support after 2 year warranty	8 each
	Sub-total for Server Software Maintenance for 1 System	\$_____
	OPTION A: 27 TB STORAGE SYSTEM	2 WILL BE REQUIRED
	2812-A14 IBM XIV Storage System	1 each
0018	AAS SW order indicator	1 each
0030	Base unit indicator	1 each
0100	UNIX Host Attachment	1 each
0101	Linux Host Attachment	1 each
0102	Windows Host Attachment	1 each
0103	VMware Host Attachment	1 each
0806	6 module initial capacity	1 each
1101	Dual-CPU interface module	3 each
1106	LV data module	3 each
3910	Fibre cable (LC)	6 each
9000	Maintenance module	1 each
9101	Modem	1 each
9811	US/CA/LA/AP 60A pin cord	1 each
9890	Single phase power	1 each
	Sub-total for 27 TB Storage System Hardware for 1 System	\$_____

	Sub-total for Hardware Maintenance for 27 TB Storage System to extend warranties for a full 5-year period from the time of installation and acceptance – 24 x 7 – for 1 System	\$_____
	5639-XXA IBM XIV Storage System Software	1 each
0001	Per Storage Device with 1 Yr. SW Registration	6 each
5005	Preinstall	1 each
5809	Supply feature	1 each
	Sub-total for Storage System Software for 1 System	\$_____
	5639-X11 IBM XIV Storage System Software 5 Yr Reg	1 each
0001	Per Storage Device SW Maintenance 5 Yr Reg	6 each
	Sub-total for Storage System Software Maintenance for 1 System	\$_____
	OPTION B: 43 TB STORAGE SYSTEM	2 WILL BE REQUIRED
	2812-A14 IBM XIV Storage System	1 each
0018	AAS SW order indicator	1 each
0030	Base unit indicator	1 each
0100	UNIX Host Attachment	1 each
0101	Linux Host Attachment	1 each
0102	Windows Host Attachment	1 each
0103	VMware Host Attachment	1 each
0809	9 module initial capacity	1 each
1101	Dual-CPU interface module	6 each
1106	LV data module	3 each
3910	Fibre cable (LC)	6 each
9000	Maintenance module	1 each
9101	Modem	1 each
9811	US/CA/LA/AP 60A pin cord	1 each
9890	Single phase power	1 each
	Sub-total for 43 TB Storage System Hardware for 1 System	\$_____
	Sub-total for Hardware Maintenance for 43 TB Storage System to extend warranties for a full 5-year period from the time of installation and acceptance – 24 x 7 – for 1 System	\$_____
	5639-XXA IBM XIV Storage System Software	1 each
0001	Per Storage Device with 1 Yr. SW	9 each
5005	Preinstall	1 each
5809	Supply feature	1 each
	Sub-total for Software for 1 System	\$_____

	5639-X11 IBM XIV Storage System Software 5 YR Reg	1 each
0001	Per Storage Device, SW Maint 5 Yr	9 each
	Sub-total for Software Maintenance for 1 System	\$ _____
	<u>ONLY ONE (1) SET OF THE FOLLOWING WILL BE REQUIRED FOR EITHER OPTION A OR B:</u>	1 WILL BE REQUIRED
	7014-T42 Rack 1: Rack Model T42	1 each
0232	Rack Content Specify: 9117-570 or 9117-MMA or 9117-MMB or 8234-EMA-8U	2 each
4651	Rack Indicator, Rack #1	2 each
6069	Front Door, Black, for High Perforation (2m racks)	1 each
6098	Side Panel, Black	2 each
6654	PDU to Wall Powercord, 14 ft, 200-240V/24A, UTG0247, PT#12	4 each
9188	Power Distrib Unit Specify – Base/Side Mount, Universal UTG0247 Connector	1 each
9300	Language Group Specify – US English	1 each
	2498-R06 IBM System Storage SAN06B-R	2 each
2808	8 Gbps SW SFP Transceiver 8-Pack	4 each
	7214-1U2 Tape and DVD Enclosure Express	1 each
1401	DAT160 80GB Tape Drive	1 each
2503	DAT160 Cleaning Cartridge	1 each
2516	DAT160 80GB Data Cartridge	6 each
5060	Rack Power Cord, AC Single	1 each
5743	3.0 m External SAS Cable	1 each
9140	Drive Panel (Blank)	1 each
9300	English Manuals	1 each
9743	3.0 m External SAS Cable	1 each
9800	2.7 m (9 ft) Power Cords 125V, 15A, US	1 each
	TOTAL for Rack and above components	\$ _____
	TOTAL Maintenance for Rack and above components to extend warranties for a full 5-year period from the time of installation and acceptance - 24 x 7	\$ _____
	ADDITIONAL MISCELLANEOUS CHARGES	
	Estimated 200 Project Support Service Hours	200 hrs. @ \$ _____ hr. = \$ _____

	Estimated Travel and Living Expenses for the project <i>Receipts must be provided</i>	1 Lot @ \$ _____
	Estimated Travel Time, if not included above	_____ hrs. @ \$ _____ hr = \$ _____
	Any other charges not specifically listed above: (describe) _____ _____ _____	\$ _____ \$ _____ \$ _____
	Estimated Freight Charges for Option A, if not included above	1 Lot @ \$ _____
	Estimated Freight Charges for Option B, if not included above	1 Lot @ \$ _____

Delivery within: _____ days ARO

FOB Point: _____ Freight Terms: _____
(Destination or Shipping Point) (Prepaid, Collect or Added)

Prices firm until: _____ Date Quote Submitted: _____

Company Name: _____

Signature & Title: _____

Name (printed or typed): _____

Tel No: _____ Fax No: _____

Email Address: _____

ARKANSAS TECH UNIVERSITY
Russellville, AR 72801-2222

ATTACHMENT A

A. ATU may NOT contract with another party:

1. To lease any equipment for a period of time which continues past the end of a fiscal year, unless a term of the contract allows cancellation by the University upon 30 days written notice whenever there are no funded appropriations for the equipment. A suggested term is set forth at C.2 below.
2. To pay any penalties or charges for late payment or any penalties or charges which in fact are penalties for any reason.
3. To indemnify and defend that party for any liability and damages. However, the State may agree to hold the other party harmless from any loss or claim resulting directly from and attributable to ATU's use or possession of equipment and reimburse that party for the loss caused solely by ATU's use or possession (this is the only form of indemnification to which the State can agree).
4. Upon default to pay all sums to become due under a contract.
5. To pay damages, legal expenses or other costs and expenses of any party.
6. To continue a contract once the equipment has been repossessed.
7. To conduct litigation in a place other than Pope County, Arkansas.
8. To agree to any provision of a contract that violates the laws or Constitution of the State of Arkansas.

B. A party wishing to contract with ATU should:

1. Remove any language from its contract that grants to it any remedies other than:

The right to possession

The right to accrued payments

The right to expenses of de-installation

The right to expenses of repair to return the equipment to normal working order, normal wear and tear excepted

The right to recover only amount due up to the point of repossession and any unamortized nonrecurring costs as allowed by Arkansas Law.
2. Include in its contract that the laws of the State of Arkansas govern the contract.
3. Acknowledge in its contract that contracts become effective when awarded by ATU.

C. ATU MAY contract with another party:

1. To accept the risk of loss of the equipment and pay destruction, loss or damage of the equipment while the University has such risk, when the extent of liability for such risk is based upon the

purchase price of the equipment at the time of any loss and the contract has required the University to carry insurance for such risk.

2. To agree to the following provisions:

In the event funds are not appropriated for the equipment described in this agreement, the University may, upon 30 days written notice to vendor/ lessor, cancel this agreement as to that equipment for which no appropriations were made, or, in the event that there are no funded appropriations from which payment can be made for the equipment described in this agreement, customer may, upon 30 days written notice to vendor/ leaser, cancel this agreement as to that equipment for which there are no funded appropriations from which payment can be made for the equipment.

D. Attorney General's Opinion 94-101:

"In the event that the anticipated term of any contract (which includes a continuing financial obligation of the State) extends beyond the current biennial period, the contract will be terminable on the part of the State at the end of the current biennial period. *The Director of the Office of State Procurement must approve any and all terminations. The State may agree to continue the contract, but in no case will any renewal cause the contract to continue beyond a biennial period for which the contract is renewed.* Any services or products on contract accepted by the State must be paid for but this does not obligate the State to continue the contract beyond the end of the biennial period.

ARKANSAS TECH UNIVERSITY
Purchasing Department
203 West O Street
Russellville, AR 72801-2222

Act 2157 of 2005 of the Arkansas Regular Legislative Session requires that any business or person responding to a Request for Quotation (Bid) submit their most current Equal Employment Opportunity policy (EEO Policy).

Although bidders are encouraged to have a viable equal opportunity policy, a written response stating that the bidder does not have an EEO Policy will be considered that bidder's response and will comply with the requirement of Act 2157.

Submitting your EEO Policy is a one-time requirement. The Arkansas Tech University Purchasing Department will maintain a file of the EEO Policies or written responses received.

This is a mandatory requirement when submitting a bid response. Failure to submit an EEO Policy or response WILL result in rejection of your bid.

If you have any questions, please call the Purchasing Department at 479-968-0269.

Thank you.

Beth Foster, C.P.M., A.P.P.
Special Projects Coordinator

TO BE COMPLETED BY BUSINESS OR PERSON SUBMITTING BID RESPONSE

- _____ EEO Policy attached
- _____ EEO Policy previously submitted to ATU Purchasing Department
- _____ EEO Policy is not available

Name of Company or Person

Signature

Name (printed or typed)

Title

Date