

Y&Stechnologies

Solutions that drive results

Date 07/11/2018

07/13/18 08:58:24
WV Purchasing Division

WV TAX DIVISION
Solicitation: TAX18000000
Michelle L Childers

SERVERS AND VIRTUALIZATION SOFTWARE

Dear Michelle,

Proposal

After extensive research, we are proposing a solution by Lenovo. Lenovo is the leading PC manufacture in the world. Over the past **30 quarters** they have had the highest growth rate of any major PC manufacture in the world. Their US headquarters is located in Raleigh, North Carolina and all tech support is handled by US technicians based out of Atlanta, GA. Lenovo has acquired prestigious accounts, including the NYC Board of Education (largest school district in the country), Clark County School District (Las Vegas) and the United Nations Etc.

Lenovo Corporation has been in business for over 25 years. They began as a small manufacturer of PC clone computers and 10 years ago they purchased the IBM ThinkPad line computers. Just as, IBM they value engineering and quality. The products that they release meets the heights standards of quality and durability. **Gartner**, an independent and well known testing lab, rates Lenovo as the leader in this industry. We will be attaching the **Gartner Table** for your consideration.

.Solution

QTY 11 Servers

For this solution, we are proposing **QTY 11 of the Lenovo Think System SR650 that comes with 3Yr 24x7 4Hr onsite Response + YourDrive YourData warranty that meet or exceeds the specifications that you requested. Please see the build below on what we are proposing. I have attached Data sheets on the server for your convenience.**

Lenovo System QTY 11 (Configuration per machine)

Part number	Product Description	Qty
7X06CTO1W W	Server : ThinkSystem SR650 -	1
AUVX	ThinkSystem SR650 2.5" Chassis with 8 or 16 bays	1
AWE9	Intel Xeon Gold 6134 8C 130W 3.2GHz Processor	2
AUND	ThinkSystem 32GB TruDDR4 2666 MHz (2Rx4 1.2V) RDIMM (768 Gb total)	24
AURA	ThinkSystem 2U/Twr 2.5" SATA/SAS 8-Bay Backplane	1

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5977	Select Storage devices - no configured RAID required		1
AUNJ	ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter		1
B10W	ThinkSystem 2.5" 5100 240GB Mainstream SATA 6Gb Hot Swap SSD		2
AUR4	ThinkSystem 2U x8/x8/x8 PCIE FH Riser 1		1
AUKH	ThinkSystem 1Gb 4-port RJ45 LOM		1
ATZU	Emulex 16Gb Gen6 FC Single-port HBA		2
AUKP	ThinkSystem Broadcom NX-E PCIe 10Gb 2-Port Base-T Ethernet Adapter		1
AVWD	ThinkSystem 750W(230/115V) Platinum Hot-Swap Power Supply		2
6400	2.8m, 13A/100-250V, C13 to C14 Jumper Cord		2
AVUT	ThinkSystem XClarity Controller Standard to Advanced Upgrade		1
B0MJ	Feature Enable TPM 1.2		1
AXCA	ThinkSystem Toolless Slide Rail		1
AURD	ThinkSystem 2U left EIA Latch Standard		1
AWFF	ThinkSystem SR650 WW Lenovo LPK		1
AUSZ	ThinkSystem SR650 Service Label LI		1
AVEN	ThinkSystem 1x1 2.5" HDD Filler		6
AURQ	Lenovo ThinkSystem 2U 3FH Riser Bracket		1
AURR	ThinkSystem M3.5 Screw for Riser 2x2pcs and SR530/550/558/570/590 Planar 5pcs		2
AUSG	ThinkSystem SR650 6038 Fan module		1
AUTV	ThinkSystem large Label for non-24x2.5"/12x3.5"/10x2.5"		1
AVWJ	ThinkSystem 750W Platinum RDN PSU Caution Label		1
AUTA	XCC Network Access Label		1
AURF	Lenovo ThinkSystem 2U 2FH Riser Dummy		1
AUTD	ThinkSystem SR650 model number Label		1
AWF9	ThinkSystem Response time Service Label LI		1
AUSU	ThinkSystem Package for SR650		1
AVWK	ThinkSystem EIA Plate with Lenovo Logo		1
AUT1	ThinkSystem SR650 Lenovo Agency Label		1
AVEQ	ThinkSystem 8x1 2.5" HDD Filler		1
AUNP	FBU345 SuperCap		1
AUSA	Lenovo ThinkSystem M3.5" Screw for EIA		4
AUSF	Lenovo ThinkSystem 2U MS CPU Performance Heatsink		2
AVJ2	ThinkSystem 4R CPU HS Clip		2

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AUQB	Lenovo ThinkSystem Mainstream MB - 2U		1
AUTJ	ThinkSystem common Intel Label		1
AUSH	MS First 2U 8x2.5" HDD BP Cable Kit		1
AVJ0	ThinkSystem SR650/ST550/ST558 Super Cap Cable		1
AUTY	ThinkSystem 12-15 sequence Label for 24x2.5" Chassis		1
AUTF	ThinkSystem 4-7 sequence Label for 2U 2.5"		1
B0ML	Feature Enable TPM on MB		1
A2HP	Configuration ID 01		1
uhy	Rack mount kit		1
5374CM1	Configuration Instruction		1
AVE3	ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter placement		1
A2JX	Controller 01		1
A2HP	Configuration ID 01		1
5PS7A01558	Essential Service - 3Yr 24x7 4Hr Response + YourDrive YourData		1
Right to install	The server has right to install and use firmware updates for hardware products included in the bid for all 4 years requested		1

VMware or equal

For these solutions we are proposing all items as requested.

Warranty

For all 11 servers Y&S is providing a Lenovo full manufacturer warranty that exceeds the specifications requested **Lenovo services1: Essential Service - 3Yr 24x7 4Hr onsite Response + YourDrive YourData. Including holidays.**

Optional Warranty

We are providing an optional 1 year warranty to make the total warranty to 4 years 24x7 4Hr onsite Response + YourDrive YourData. Including holidays.

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Insurance

Y&S Technologies maintains all required commercial insurance policies and will be more than happy to provide proof of insurance if the State requests it.

Pricing

Please see bid paperwork for pricing.

Addendum

Y&S acknowledges addendum number 1

Delivery

We can provide delivery within 21 days ARO. Our price includes shipping and handling.

Y&S References

Y&S has provided solutions like this throughout the country. Here are a few references for your convenience:

- 1) **Reginal Transportation Authority** in Dayton, OH. Point of Contact is Jim Canaday, Ph #937-425-8320, E-mail jcanaday@greaterdaytonrta.org. We provided 5 Lenovo System X servers with Microsoft Licenses worth over \$189,000 in June 2016.
- 2) **Applied Materials** in Hopewell Junction, NY. Point of Contact is Paul Llanos, Ph #845-227-0298, E-mail Paul.Llanos@amat.com. We provided Applied Materials with over \$700,000 worth of System X Server equipment over the past couple of years.
- 3) **Knoxville Utility Board** in Knoxville, KY. Point of Contact is Rebekah Taylor. Ph #865-558-2307, E-mail Rebekah.taylor@kub.org. KUB purchases over \$150,000 worth of System X servers over the past couple of years.
- 4) **Craven County Schools**, in New Bern, NC. The point of contact is Lori Prescott who can be reached at 252-514-6357 or by E-mail at Lori.prescott@craven.k12.nc.us. We supplied over 750 Lenovo Chromebooks with services valued over \$350,000 in over the past couple of years.
- 5) **Booneville School District** in Booneville, MS. Point of contact is Dustin Pounders, Ph #662-728-2171, E-mail dpounders@boonevilleschools.org. We supplied over 800 Lenovo Chromebooks with services valued over \$150,000.
- 6) **Wilton Public Schools** in Wilton, CT. The point of contact is Helaine Walker who is the senior Admin for the IT Director. Helaine can be reached by 203-834-4874 or by walkerh@wilton.k12.ct.us. We sold over \$575,000 worth of Lenovo Laptops and accessories with Image services.
- 7) **West Virginia Alcohol Beverage Control Administration**. The point of contact is Randy Haynes. We supplied over 6 Lenovo servers in January of 2018 worth over \$50,000 we were over \$30,000 dollars cheaper than the next bidder.

*Y&S*Technologies

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Point of Contact

Saul Finck (Sales Manager) will be your point of contact for this contract and will assist the States and its personnel in any matters related to this contract. Contact Information is as follows: PH #718-473-0284 Ext 200. E-mail saul@yandstech.com.

Brief History of our Company

Y&S Technologies have been in business for over eleven years with our primary focus on the education and government sector. Our senior staffs have over 40 years of combined experience, selling and servicing the academic and government market. Y & S Technologies was established in the midst of the worst recession since the Great Depression. We have not only survived but we have grown our business every year by a minimum of 20%. We offer our customers highly competitive solutions, the best products at the best prices, and a high level of service and support. These directly contribute to our successful and expanding business.

If you should need any further information please feel free to contact me at your earliest convenience. Thanking for the opportunity to do business with your city.

Saul Finck



Sales Manager
Y&S Technologies

Exhibit A - Pricing Page
Servers and Virtualization Software

Item #	Part Number	Item Description	Brand or Equipment RID	Unit of Measure	Quantity	Unit Price or Year 1 Cost	Year 2	Year 3	Year 4	Extended Amount Cost
3.1.1	7X06WG Y700	Servers	Lenovo	Each	11	\$20,803.00				\$ 228,833.00
3.1.1.11	Warranty	Hardware Support (11 Servers)	Lenovo	Yearly	1	\$ 6,501.00	Free Included in year 1 price \$0.00	Free Included in year 1 price \$0.00	\$ 7,601.00	\$ 14,102.00
3.1.1.12	No part number	Software Support (11 Servers)	Lenovo	Yearly	1	Free \$0.00	Free \$0.00	Free \$0.00	Free \$0.00	\$ -
3.1.2.1	7S06003 EWW	Vmware vSphere Enterprise Plus for 1 processor or equal (Qty of 22)	Vmware Bundle	Yearly	1	\$ 102,058.00	Free Included in year 1 price \$0.00	Free Included in year 1 price \$0.00	Not requested in 4th year	\$ 102,058.00
3.1.2.2	7S06003 EWW	Production Support/Subscription for VMware vSphere Enterprise Plus for 1 processor for 3 years or equal (Qty of 22)	Vmware Bundle	Yearly	1	\$0.00 Part of Bundle	\$0.00 Part of Bundle	\$0.00 Part of Bundle	Not requested in 4th year	\$ -
3.1.2.3	7S06006 HWW	VMware vCenter Server Standard for vSphere or equal (Qty of 2)	Vmware vCenter Bundle	Yearly	1	\$14,234	Free Included in year 1 price \$0.00	Free Included in year 1 price \$0.00	Not requested in 4th year	\$ 14,234.00
3.1.2.4	7S06006 HWW	Production Support/Subscription for VMware vCenter Server Standard for 3 years or equal (Qty of 2)	Vmware vCenter Bundle	Yearly	1	\$0.00 Part of Bundle	\$0.00 Part of Bundle	\$0.00 Part of Bundle	\$0.00 Part of Bundle	\$ -
						Yearly Total	\$ -	\$ -	\$7,601.00	
Total Bid Amount									\$ 359,227.00	

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

SACU Finck Sales Manager
(Name, Title)
SACU Finck Sales Manager
(Printed Name and Title)
383 KILGUSEEN AVE STE #357 BROOKLYN NY 11213
(Address)
718-473-0284 X203 718-360-9627
(Phone Number) / (Fax Number)
SACU@YANDSE@CH.COM
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

YESTECHNOLOGIES
(Company)
[Signature] SACU Finck Sales Manager
(Authorized Signature) (Representative Name, Title)
SACU Finck Sales Manager
(Printed Name and Title of Authorized Representative)
07/11/2018
(Date)
718-473-0284 X203 - 718-360-9627
(Phone Number) (Fax Number)

**ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:**

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5

- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

T&S Technologies

Authorized Signature

[Handwritten Signature]

Date

07/11/2018

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or "Interested parties" means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 21 - Info Technology

Proc Folder: 463812

Doc Description: Servers and Virtualization Software

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-27	2018-07-12 13:30:00	CRFQ 0702 TAX1800000019	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

TEST technologies 387 Kingston Ave Sec # 357
 Brooklyn NY 11213 718-473-0284 x203

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers
 (304) 558-2063
 michelle.l.childers@wv.gov

Signature X

FEIN #

611569225

DATE

07/11/2018

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the Tax Division to establish a contract for the one-time purchase of servers and virtualization software.

INVOICE TO		SHIP TO	
OPERATIONS DIVISION TAX DIVISION OF PO BOX 11748 CHARLESTON US	WV25339-1748	OPERATIONS DIVISION TAX DIVISION OF REVENUE CENTER 1001 LEE ST E, STE 1 CHARLESTON US	WV 25301-1725

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Servers and Virtualization Software				\$359,227.00

Comm Code	Manufacturer	Specification	Model #
43211501	Lehoro	As required	meets or exceeds specs

Extended Description :

If Vendor is submitting bid online Vendor must submit Exhibit A Pricing Page as attachment. TOTAL BID AMOUNT is the amount Vendor is to enter into wvOASIS commodity line when submitting.



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 21 - Info Technology

Proc Folder: 463812

Doc Description: Addendum No.01 - Servers and Virtualization Software

Proc Type: Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
2018-07-06	2018-07-12 13:30:00	CRFQ 0702 TAX1800000019	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

*YESTECHNOLOGIES 383 Kingston Ave Ste #357
 Brooklyn NY 11213 718-473-0284 x203*

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers
 (304) 558-2063
 michelle.l.childers@wv.gov

Signature X

FEIN #

611569225

DATE

07/11/2018

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the Tax Division to establish a contract for the one-time purchase of servers and virtualization software.

BILL TO		SHIP TO	
OPERATIONS DIVISION TAX DIVISION OF PO BOX 11748		OPERATIONS DIVISION TAX DIVISION OF REVENUE CENTER 1001 LEE ST E, STE 1	
CHARLESTON	WV25339-1748	CHARLESTON	WV 25301-1725
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Servers and Virtualization Software				\$ 359,227.00

Comm Code	Manufacturer	Specification	Model #
43211501	Lehoro	As requested	meets or exceeds specifications

Extended Description :

If Vendor is submitting bid online Vendor must submit Exhibit A Pricing Page as attachment. TOTAL BID AMOUNT is the amount Vendor is to enter into wvOASIS commodity line when submitting.

TAX1800000019	Document Phase Final	Document Description Addendum No.01 - Servers and Virtualization Software	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: YRS Technologies

Authorized Signature: [Signature] Date: 07/11/2018

State of NY

County of Kings, to-wit:

Taken, subscribed, and sworn to before me this 11 day of July, 2018

My Commission expires 7/11, 2018

AFFIX SEAL HERE

Joseph Walcott
Notary Public State of New York
Qualified in Kings County No. 24-6013359
Commission Expires September 14, 2018

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 01/19/2016)
Joseph Walcott
Notary Public State of New York
Qualified in Kings County No. 24-6013359
Commission Expires September 14, 2018

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: YESTECHNOLOGIES Address: 313 Kings Hwy Ave S-6E #357
BROOKLYN NY 11213

Name of Authorized Agent: Stewart Finck Address: 1539 Union St Brooklyn NY

Contract Number: TAX 100000019 Contract Description: SERVERS AND VIRTUALIZATION^{11/2/13}

Governmental agency awarding contract: West Virginia Tax Division / SOFTWARE

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract
 Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)
 Check here if none, otherwise list entity/individual names below.

Stewart Finck 51%

Motyx Finck 49%

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)
 Check here if none, otherwise list entity/individual names below.

Signature: [Signature] Date Signed: 07/11/2010

Notary Verification

State of NY, County of KINGS:

I, Stewart Finck, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 11th day of July, 2010

Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____

Lenovo ThinkSystem SR650

High-performance scalable server



For Compute-Intensive Workloads

For medium to large enterprises, and managed and cloud service providers, Lenovo ThinkSystem SR650 is the optimum 2U, two-socket server—the most widely used server type worldwide. It's engineered to deliver high performance with 205W CPUs, low-latency NVMe drives, and high-power GPUs.

With Lenovo's history of reliability, the highly flexible and configurable SR650 is the ideal platform for hyperconverged infrastructure (HCI) or software-defined storage (SDS). It provides a solid foundation for: 1) transforming physical resources into services, using validated designs for hybrid cloud; 2) performing analytics on streaming data, using validated designs for Big Data; and 3) increasing productivity of virtualized transactional systems, using validated designs for OLTP databases.

Versatile and Scalable

ThinkSystem SR650 incorporates up to two powerful Intel® Xeon® processor Scalable family CPUs, with 27 percent more cores and twice the memory capacity of the previous generation server*. It supports two 300W high-performance GPUs and ML2 NIC adapters with shared management. Unique Lenovo AnyBay technology provides the flexibility to mix-and-match SAS/SATA HDDs/SSDs and NVMe SSDs in the same drive bays. Four direct-connect NVMe ports on the motherboard provide ultra-fast read/writes with NVMe drives and reduce costs by eliminating PCIe switch adapters. Plus, storage can be tiered for greater application performance, to provide the most cost-effective solution. Optional mirrored M.2 drives ensure reliability and quick OS initialization. SR650 also features 80 PLUS Platinum and Titanium PSUs, as well as continuous operation at 45°C, to reduce energy costs.

Easily Managed

Lenovo XClarity Controller is an all-new hardware embedded management engine common in every ThinkSystem server. XClarity Controller features an uncluttered graphical user interface, industry standard Redfish-compliant REST APIs, and enables booting in half the time of prior generation servers, with up to 6x faster firmware updates.

Lenovo XClarity Administrator is a virtualized application that centrally manages ThinkSystem servers, storage, and networking. Via reusable patterns and policies, it ramps up and scales infrastructure provisioning and maintenance. It serves as a central integration point to extend your data center management processes to physical IT. Running XClarity Integrators in external IT applications, or integrating through REST APIs, helps you further speed services provisioning, streamline IT management, and contain costs.

Lenovo servers continue to be the industry's #1 most reliable¹, with the industry's highest customer satisfaction¹ rating.

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

Lenovo

WWW.LENOVO.COM

ThinkSystem



Specifications

Form Factor/Height	2U rack server
Number of Processors	Up to 2x Intel® Xeon® Platinum processors, up to 205W
Memory	Up to 3TB* in 24x DIMM slots using 128GB DIMMs; 2666MHz TruDDR4
Expansion Slots	Up to 7x PCIe 3.0 via multiple riser options, including 1x dedicated PCIe slot for RAID adapter
Drive Bays	Up to 24 HS bays (incl. 4 or 8 AnyBay); plus up to 2x mirrored M.2 boot (opt. RAID 1)
HBA/RAID Support	Hardware RAID (up to 24 ports) with flash cache; up to 16-port HBAs
Security and Availability Features	TPM 1.2/2.0; PFA; HS/redundant drives, fans, and PSUs; 45°C continuous operation; light path diagnostic LEDs; front-access diagnostics via dedicated USB port
Network Interface	2/4-port 1GbE LOM; 2/4-port 10GbE LOM (Base-T or SFP+); 1x dedicated 1GbE mgmt port
Power (Energy Star 2.0 compliant)	2x hot swap/redundant: 550W/750W/1100W/1600W 80 PLUS Platinum; or 750W 80 PLUS Titanium
Systems Management	XClarity Controller embedded management, XClarity Administrator centralized infrastructure delivery, XClarity Integrator plugins, and XClarity Energy Manager centralized server power management
OSes Supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere. Visit lenovopress.com/osig for details.
Limited Warranty	1- and 3-year customer replaceable unit and onsite service, next business day 9x5; opt. service upgrades

* Compared to Lenovo x3650 M5; †2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016.

‡2H16 Corporate IT Buying Behavior and Customer Satisfaction Study, TBR; December 2016.; §1.5TB at GA; 128GB DIMMs available in the near future. Available prior to GA via special bid.

Featured Options

NVIDIA Tesla P100 16GB PCIe Passive GPU	Intel OPA 100 Series Single-port PCIe 3.0 x16 HFA	2.5-Inch 7.68TB SAS 12Gb Hot-Swap SSD
7X67A00068	00WE027	7N47A00122
Designed to boost throughput for HPC and hyperscale data centers	Designed for HPC workloads with low end-to-end latency	High-performance/reliability solution for read/capacity-intensive applications

Visit [Options](#) for more information.

For More Information

To learn more about the Lenovo ThinkSystem SR650, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the SR650 Product Guide.

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