

City of Portsmouth
Portsmouth, New Hampshire

Bid #33-19
School Department Hyperconverged Infrastructure

INVITATION TO BID

Sealed bid proposals, **plainly marked** “City of Portsmouth School Department Hyperconverged Infrastructure – Bid #33-19” **on the outside of the envelope**, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, will be accepted until **10:00 a.m., March 15, 2019** at which time all bids will be publicly opened and read aloud.

Scope: The City of Portsmouth School Department is seeking to purchase a hyperconverged infrastructure as detailed in the Bid Specifications.

This bid is available at <https://www.cityofportsmouth.com/finance/purchasing-bids-and-proposals> or by contacting the Finance/Purchasing Department at the following number: (603) 610-7227.

Technical questions may be directed to Thomas Lotz, School Network Administrator at (603) 436-7100 Ext. 2937 or through email at tlotz@sau52.org. Other questions may be directed to the Finance/Purchasing Department. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website under the project heading.

The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

INSTRUCTION TO BIDDERS**I. Preparation of Bid Proposal**

- A. The Bidder shall submit its proposal upon the form furnished by the City (attached). Prices shall be given in both words and figures.
- B. Corrections made to amounts or information requested on the bid form should be made by crossing out the error and entering the new price or information above or below it. The correction must be initialed. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
- C. The bidder's proposal must be signed by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture; by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his/her name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
- D. All words, figures, corrections shall be in ink or typed. All signatures shall be in ink.
- E. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website at <https://www.cityofportsmouth.com/finance/purchasing-bids-and-proposals> under the project heading. Addenda and updates will NOT be sent directly to firms. Bidders submitting a proposal should check the web site for addenda and updates after the release date. Bidders should print out, sign and return addenda with the proposal. Failure to do so may result in disqualification.
- F. Disadvantaged Business Enterprises (DBEs) as defined in 49 CFR Part 26 are encouraged to submit a proposal. If applicable, documentation of DBE status shall be included with the submittal.

II. Delivery of Bid Proposals

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Faxed bid proposals are not acceptable.

III. Withdrawal of Bid Proposals

A bidder will be permitted to withdraw his/her proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

IV. Public Opening of Bid Proposals

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

V. Irregular Proposals and Disqualification of Bidders

Bid proposals that are irregular may be rejected. Irregular bid proposals include the following:

- A. Failure to use the bid form provided or alteration of the form.
- B. Unauthorized additions, conditional or alternated bids, incomplete bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- C. The addition of any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

Bidders may be disqualified and the bid proposal rejected for the following reasons:

- A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name;
- B. Evidence of collusion among bidders;
- C. Failure to submit all required information requested in bid specifications;
- D. Bidder is not qualified or able to provide the services or product(s) described in the bid specifications; or
- E. Disqualification is in the best interest of the City of Portsmouth.

AWARD

I. Consideration of Proposals and Award

After the proposals are opened and read, bid results will be available to the public. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern.

Within 30 calendar days after the opening of proposals, if an award is made, it will be made to the lowest qualified bidder as described in the bid specifications. The successful bidder will be notified by mail at the address indicated on the proposal.

The award shall not be considered official until such time that a purchase order, fully executed contract or an award letter has been issued by the Finance Director.

No presumption of award shall be made by the bidder until such documents are in hand. Verbal notification of award is not considered official. Any action by the bidder to assume otherwise is done so at his/her own risk and the City will not be held liable for any expense incurred by a bidder that has not received an official award.

III. Reservation of Rights

The City reserves the right to cancel the award at any time before final notification of the successful bidder without any liability against the City. The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

BID SPECIFICATIONS

The Portsmouth School Department is seeking to purchase a Hyperconverged Infrastructure based on Dell VSAN Ready Nodes.

1. All equipment will be Dell equipment as specified below.
2. Furnished material shall be:

Summary

Product	Description
VMware Licensing	
	Academic VMware Licensing As detailed below
VSAN Ready Nodes	
	PowerEdge R640 Server VSAN All Flash ReadyNodes As detailed below
Network Switch 1	
	DellEMC Networking S4112F-ON & Components for VSAN Build As detailed below
Network Switch 2	
	Dell EMC Networking S4112F-ON - wDual Tray As detailed below

BID PROPOSAL DETAIL

Component #	Component	Product #	Product Description	Qty
1	VMware Licensing			
		HCI-ADV-CPU-APROMO	Academic VMware HCI Kit 6 Advanced (Per CPU) Promotion	6
		HCI-ADV-CPU-P-SSS-A	Academic Production Support/Subscription for VMware HCI Kit 6 Advanced (Per CPU) for 1 year	6
2	VSAN Ready Nodes			
		210-AKWU	PowerEdge R640 Server VSAN All Flash ReadyNode	3
			As detailed below	3
		329-BDKC	PowerEdge R640 Motherboard	3
		461-AADZ	No Trusted Platform Module	3
		321-BCQL	2.5 Chassis with up to 10 Hard Drives and 3PCIe slots	3
		340-BKNE	PowerEdge R640 Shipping	3
		340-BLUC	PowerEdge R640 x4 and x10 Drive Shipping Material	3
		338-BLUW	Intel Xeon Gold 5118 2.3G, 12C/24T, 10.4GT/s , 16.5M Cache, Turbo, HT (105W) DDR4-2400	3
		374-BBPT	Intel Xeon Gold 5118 2.3G, 12C/24T, 10.4GT/s , 16.5M Cache, Turbo, HT (105W) DDR4-2400	3
		370-ABWE	DIMM Blanks for System with 2 Processors	3
		412-AAIQ	Standard 1U Heatsink	3
		412-AAIQ	Standard 1U Heatsink	3
		370-ADNU	2666MT/s RDIMMs	3
		370-AAIP	Performance Optimized	3
		780-BCDS	Unconfigured RAID	3
		405-AAEF	PERC H330 RAID Controller, Minicard	3
		619-ABVR	No Operating System	3
		421-5736	No Media Required	3
		385-BBKT	iDRAC9,Enterprise	3
		379-BCQV	iDRAC Group Manager, Enabled	3
		379-BCSG	iDRAC,Legacy Password	3
		330-BBGN	Riser Config 2, 3x16 LP	3
		540-BBCB	Intel Ethernet i350 QP 1Gb Network Daughter Card	3
		385-BBLR	VFlash Card Reader with 16GB Vflash SD card	3
		429-AAIQ	No Internal Optical Drive	3
		384-BBQJ	8 Standard Fans for R640	3
		450-ADWS	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	3

Component #	Component	Product #	Product Description	Qty
		350-BBBW	No Bezel	3
		350-BBJT	Dell EMC Luggage Tag for x10	3
		350-BBKC	Quick Sync 2 (At-the-box mgmt)	3
		750-AABF	Power Saving Dell Active Power Controller	3
		800-BBDM	UEFI BIOS Boot Mode with GPT Partition	3
		387-BBMK	Energy Star	3
		770-BBBC	ReadyRails Sliding Rails Without Cable Management Arm	3
		631-AACK	No Systems Documentation, No OpenManage DVD Kit	3
		332-1286	US Order	3
		813-9255	Dell Hardware Limited Warranty Plus On-Site Service	3
		813-9262	ProSupport: Next Business Day On-Site Service After Problem Diagnosis, 3 Years	3
		813-9274	ProSupport: 7x24 HW/SW Technical Support and Assistance, 3 Years	3
		900-9997	On-Site Installation Declined	3
		370-ADNF	32GB RDIMM 2666MT/s Dual Rank	24
		400-ASWK	240GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, S4600, 3 DWPD,1314 TBW	6
		400-ASEM	400GB SSD SAS Write Intensive 12Gbps 512n 2.5in Hot-plug Drive, PX05SM,10 DWPD,7300 TBW	3
		400-ASZB	1.92TB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, S4600,3 DWPD,10512 TBW	12
		540-BBDG	Intel X520 DP 10Gb DA/SFP+ Server Adapter, Low Profile	3
		492-BBDH	C13 to C14, PDU Style, 12 AMP, 2 Feet (.6m) Power Cord, North America	6
3	Network Switch 1			
		S4112F-ON-Build1	DellEMC NetworkingS4112F-ON & Components for VSAN Build	1
			As detailed below	1
		210-AOYR	Dell EMC Switch S4112F, 12 x 10GbE SFP+, 3 x 100GbE QSFP28, IO to PSU, 2 x AC PSU, OS10	1
		634-BQZX	OS10 Enterprise, S4112F	1
		343-BBJO	Dell EMC Networking S4112-ON Americas User Guide	1
		975-1242	Dell Education Services-Dell Networking Data Center Training-eLearning 1 year	1
		332-1286	US Order	1
		817-7146	Dell Hardware Limited Warranty 1 Year	1
		817-7165	ProSupport:7x24 HW/SW Technical Support and Assistance, 3 Years	1
		817-7183	ProSupport:Next Business Day Onsite Service After Problem Diagnosis, 2 Years Extended	1

Component #	Component	Product #	Product Description	Qty
		817-7184	ProSupport:Next Business Day Onsite Service After Problem Diagnosis, 1 Year	1
		975-3461	Dell Limited Hardware Warranty Extended Year(s)	1
		997-6306	Info 3rd Party Software Warranty provided by Vendor	1
		804-2146	ProDeploy Dell Networking S Series 4XXX Switch - Deployment Verification	1
		821-5785	ProDeploy Dell Networking S Series 4XXX Switch - Deployment	1
		450-AAFH	Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13	1
		450-AAFH	Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13	1
		407-BBEF	Dell Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 300m Reach	1
		407-BBEL	Dell Networking, Transceiver, SFP, 1000BASE-T	1
		470-ABOZ	Dell Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach Cable, 2 Meter	6
		470-ABOV	Dell Networking Cable 100GbE, QSFP28 to QSFP28, Passive Copper Direct Attach Cable, 1 Meter	1
4	Network Switch 2			
		S4112F-ON-Build1	Dell EMC Networking S4112F-ON - wDual Tray	1
			As detailed below	1
		210-AOYR	Dell EMC Switch S4112F, 12 x 10GbE SFP+, 3 x 100GbE QSFP28, IO to PSU, 2 x AC PSU, OS10	1
		634-BQZX	OS10 Enterprise, S4112F	1
		343-BBJO	Dell EMC Networking S4112-ON Americas User Guide	1
		770-BCTF	Dell Networking Dual Tray, one Rack Unit, 4-post rack only, S4112	1
		975-1242	Dell Education Services-Dell Networking Data Center Training-eLearning 1 year	1
		332-1286	US Order	1
		817-7146	Dell Hardware Limited Warranty 1 Year	1
		817-7165	ProSupport:7x24 HW/SW Technical Support and Assistance, 3 Years	1
		817-7183	ProSupport:Next Business Day Onsite Service After Problem Diagnosis, 2 Years Extended	1
		817-7184	ProSupport:Next Business Day Onsite Service After Problem Diagnosis, 1 Year	1
		975-3461	Dell Limited Hardware Warranty Extended Year(s)	1
		997-6306	Info 3rd Party Software Warranty provided by Vendor	1
		804-2146	ProDeploy Dell Networking S Series 4XXX Switch - Deployment Verification	1
		821-5785	ProDeploy Dell Networking S Series 4XXX Switch - Deployment	1

Component #	Component	Product #	Product Description	Qty
		450-AAFH	Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13	1
		450-AAFH	Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13	1
		407-BBEF	Dell Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 300m Reach	1
		407-BBEL	Dell Networking, Transceiver, SFP, 1000BASE-T	1
		470-ABOZ	Dell Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach Cable, 2 Meter	6
		470-ABOV	Dell Networking Cable 100GbE, QSFP28 to QSFP28, Passive Copper Direct Attach Cable, 1 Meter	1

Submitted by Authorized Agent:

(Print Name & Title)

Signature: _____

Date: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Fax: _____

Email: _____

Please complete attached questionnaire.

