



INVITATION FOR BIDS
OFFICE OF PROCUREMENT & CONTRACTS

1. INSTRUCTIONS FOR BIDDERS

- a. Sealed bids will be received in the Office of Procurement & Contracts, Mississippi State University, for the purchase of the items listed herein.
- b. All bids must be received in the Office of Procurement & Contracts on or before the bid opening time and date listed herein. Delivery of bids must be during normal working hours, 8:00 a.m. to 5:00 p.m. CST, except on weekends and holidays when no delivery is possible.
- c. Bidders shall submit their bids in a sealed envelope.
 - i. Sealed bids should include the bid number on the face of the envelope as well as the bidders' name and address. Bids should be mailed to: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
- d. All questions regarding this bid should be directed to the Office of Procurement & Contracts at 662-325-2550.

2. TERMS AND CONDITIONS

- a. All bids should be bid "FOB Destination"
- b. Bidders must comply with all rules, regulations, and statutes relating to purchasing in the State of Mississippi, in addition to the requirements on this form. General Bid Terms and Conditions can be found here:
https://www.procurement.msstate.edu/procurement/bids/Bid_General_Terms_May_2019_V2.pdf
- c. Any contract resulting from this Invitation for Bid shall be in substantial compliance with Mississippi State University's Standard Contract Addendum:
<https://www.procurement.msstate.edu/contracts/standardaddendum.pdf>

ITS Bid Number: 22-59

Opening Date: April 7, 2022 @2:00 p.m.

Description: GPU Cluster

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	Turnkey GPU Based Cluster System with Network, Infiniban Network, Service Nodes and Parallel file system		

All components must be new, sold by authorized vendors of the manufacturers and include original manufacturer's warranty.

Installation, startup, and three years support to be included.

All shipping costs should be included.

Minimum components required.

Qty 8 - 8-way nvidia A100/80GB GPU node with minimum components to include:

1 P19725-B21 HPE ProLiant XL675d Gen10 Plus

2 P40593-B21 AMD EPYC 7713 Kit for Apollo 6500 Gen10+

16 P07650-H21 HPE 64GB 2Rx4 PC4-3200AA-R Smart Kit

1 P25877-B21 HPE A6500 G10+ 8SFF SAS/SATA Std BP Kit

1 P18422-H21 HPE 480GB SATA RI SFF SC MV SSD

1 P49056-H21 HPE 6.4TB SAS MU SFF SC MV SSD
1 P25668-B21 HPE XL675d Gen10+ Mod GPU Tray
1 R7B94A NVIDIA HGX A100 80GB 8GPU AIR FIO BS BRD
1 782961-B21 HPE 12W Smart Storage Battery
1 804331-B21 HPE Smart Array P408i-a SR Gen10 Ctrlr
1 P13188-B21 HPE 10/25GbE 2P SFP28 MCX512F-ACHT Adp
1 P23664-H21 HPE IB HDR/EN 200Gb 1p QSFP56 Adptr
2 P31662-B21 HPE Apollo 6500 Gen10+ Mod GPU N PS Kit
6 P24678-B21 HPE SDG300-C20 250V 16A Blk 2m Jpr Cord
1 BD505A HPE iLO Adv 1-svr Lic 3yr Support
1 P27764-B21 HPE XL675d Gen10+ 8SFF SAS Cbl Kit
1 P25872-B21 HPE Apollo 6500 Gen10+ Mod GPU BP Kit

Qty 1 - 500+TB PFS parallel file system with minimum components to include:

4 R7R36A HPE Parallel File System 16Flash Bay Svr
16 R7R39A HPE PFS 7.68TB NVMe RI SC U.3 PM1733 SSD
8 R7R46A HPE PFS IB HDR/EN 200G 1p QSFP56 Adptr
8 AF573A HPE Rdnt 2m 10A C13-C14 Jpr Cord
4 P18544-B21 HPE DL325 Gen10+ 1075mm Easy Install Kit
4 R8F20A HPE Parallel File System 12Disk Bay Svr
48 R7R44A HPE PFS 16TB SAS 7.2K LFF LP HDD
4 R7R37A HPE PFS 1.6TB Flash Metadata Store
4 R7R45A HPE PFS IB HDR/EN 100G 2p QSFP56 Adptr
8 AF573A HPE Rdnt 2m 10A C13-C14 Jpr Cord
4 P18545-B21 HPE DL325 Gen10+ 1200mm Easy Install Kit

Qty 1 - dtn node with minimum components to include:

1 P38411-B21 HPE DL385 G10+ v2 8SFF CTO Svr
2 P38693-B21 AMD EPYC 7713 CPU for HPE
16 P07646-B21 HPE 32GB 2Rx4 PC4-3200AA-R Smart Kit

2 P40497-B21 HPE 480GB SATA RI SFF BC MV SSD
2 P40499-B21 HPE 1.92TB SATA RI SFF BC MV SSD
1 P14588-B21 HPE DL38X Gen10+ x16 Tertiary Riser Kit
1 P14590-B21 HPE DL38X Gen10+ 2x16 Slot 2/3 Riser Kit
1 P23666-B21 HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr
1 P02377-B21 HPE Smart Hybrid Capacitor w/ 145mm Cbl
1 804331-B21 HPE Smart Array P408i-a SR Gen10 Ctrlr
1 P10118-B21 HPE 10/25GbE 2P SFP28 QL41232 OCP3 Adptr
1 P14608-B21 HPE DL38X Gen10+ Max Perf Fan Kit
2 P38995-B21 HPE 800W FS Plat Ht Plg LH Pwr Sply Kit
1 BD505A HPE iLO Adv 1-svr Lic 3yr Support
1 P13771-B21 HPE Gen10 Plus TPM BR Module Kit
1 P14610-B21 HPE DL38X Gen10+ High Perf Heat Sink Kit
1 P22018-B21 HPE DL38X Gen10+ 2U SFF EI Rail Kit
2 A0K02A HPE 2.0m 10A C13-C14 Blk Jpr Cord

Qty 4 - login/mgt nodes with minimum components to include:

1 P38411-B21 HPE DL385 G10+ v2 8SFF CTO Svr
2 P38693-B21 AMD EPYC 7713 CPU for HPE
16 P07646-B21 HPE 32GB 2Rx4 PC4-3200AA-R Smart Kit
2 P40497-B21 HPE 480GB SATA RI SFF BC MV SSD
2 P40499-B21 HPE 1.92TB SATA RI SFF BC MV SSD
1 P14588-B21 HPE DL38X Gen10+ x16 Tertiary Riser Kit
1 P14590-B21 HPE DL38X Gen10+ 2x16 Slot 2/3 Riser Kit
1 P23665-B21 HPE IB HDR100/EN 100Gb 1p QSFP56 Adptr
1 P02377-B21 HPE Smart Hybrid Capacitor w/ 145mm Cbl
1 804331-B21 HPE Smart Array P408i-a SR Gen10 Ctrlr
1 P10118-B21 HPE 10/25GbE 2P SFP28 QL41232 OCP3 Adptr
1 P14608-B21 HPE DL38X Gen10+ Max Perf Fan Kit
2 P38995-B21 HPE 800W FS Plat Ht Plg LH Pwr Sply Kit

- 1 BD505A HPE iLO Adv 1-svr Lic 3yr Support
- 1 P13771-B21 HPE Gen10 Plus TPM BR Module Kit
- 1 P14610-B21 HPE DL38X Gen10+ High Perf Heat Sink Kit
- 1 P22018-B21 HPE DL38X Gen10+ 2U SFF EI Rail Kit
- 2 A0K02A HPE 2.0m 10A C13-C14 Blk Jpr Cord

Qty 2 - development nodes w/ gpu with minimum components to include:

- 1 P38411-B21 HPE DL385 G10+ v2 8SFF CTO Svr
- 2 P38693-B21 AMD EPYC 7713 CPU for HPE
- 16 P07646-B21 HPE 32GB 2Rx4 PC4-3200AA-R Smart Kit
- 2 P40497-B21 HPE 480GB SATA RI SFF BC MV SSD
- 2 P40499-B21 HPE 1.92TB SATA RI SFF BC MV SSD
- 1 P14588-B21 HPE DL38X Gen10+ x16 Tertiary Riser Kit
- 1 P14590-B21 HPE DL38X Gen10+ 2x16 Slot 2/3 Riser Kit
- 1 P23665-B21 HPE IB HDR100/EN 100Gb 1p QSFP56 Adptr
- 1 R7E31C NVIDIA A40 PCIe 48GB GPU for HPE
- 1 P02377-B21 HPE Smart Hybrid Capacitor w/ 145mm Cbl
- 1 804331-B21 HPE Smart Array P408i-a SR Gen10 Ctrlr
- 1 P10118-B21 HPE 10/25GbE 2P SFP28 QL41232 OCP3 Adptr
- 1 P14608-B21 HPE DL38X Gen10+ Max Perf Fan Kit
- 2 P38997-B21 HPE 1600W FS Plat Ht Plg LH Pwr Sply Kit
- 1 BD505A HPE iLO Adv 1-svr Lic 3yr Support
- 1 P39102-B21 HPE DL300 Gen10+ GPU 8p Keyed Cbl Kit
- 1 P13771-B21 HPE Gen10 Plus TPM BR Module Kit
- 1 P14610-B21 HPE DL38X Gen10+ High Perf Heat Sink Kit
- 1 P22018-B21 HPE DL38X Gen10+ 2U SFF EI Rail Kit
- 1 P38771-B21 HPE DL38X Gen10+ PRI/SEC wo Retainer Kit
- 2 A0K02A HPE 2.0m 10A C13-C14 Blk Jpr Cord
- 1 R8T79A NVIDIA A100 80GB PCIe Accelerator Spl

Qty 1 - infiniband switch and cables

1 P06249-B21 Mellanox IB HDR 40P Managed Switch

8 P06153-B23 HPE 10M IB HDR QSFP56 Act Optical Cable (GPU nodes)

8 P06149-B24 HPE 2m IB HDR QSFP56 Copper Cbl (PFS)

8 P06248-B23 HPE 2M IB HDR QSFP56 Split Copper Cbl (4x PFS, 4x service nodes)

Qty 1 - switch 48x25G, 8x100G and cables

1 JL625A Aruba 8325-48Y8C BF 6 F 2 PS Bdl

1 JL483B Aruba X474 4-post Rack Kit

8 Q9S69A HPE 25GbE SFP28 to SFP28 10m Smart AOC (8x GPU nodes)

7 R0M44A Aruba 25G SFP28 to SFP28 3m AOC (7x service nodes)

1 R0Z26A Aruba 100G QSFP28 to QSFP28 5m DAC Cable

1 JL307A Aruba 100G QSFP28-QSFP28 3m DAC Cable

Qty 1 - switch (management) 48x1G, 4xSFP56 and cables

1 JL762A Aruba 6300M 48G Pwr2Prt 2F 1PS Bdl

1 J9583B Aruba X414 1U Universal 4-post RM Kit

1 JL716A Aruba X544 Universal 4-post Duct Kit

4 C7542A HPE Ethernet 50ft CAT5e RJ45 M/M Cable

6 C7537A HPE Ethernet 25ft CAT5e RJ45 M/M Cable

18 C7535A HPE Ethernet 7ft CAT5e RJ45 M/M Cable

Installation, startup, services, support, and warranty

1 HA114A1 HPE Installation and Startup Service

8 HA114A1#5VW HPE Startup Apollo a6000 SVC

7 HA114A1#5A6 HPE Startup 300 Series OS SVC

1 HU4A6A3 HPE 3Y Tech Care Essential SVC

4 HU4A6A3#ZVT HPE Parallel File System 12Disk Svr Supp

1 HA113A1 HPE Installation SVC
1 HA113A1#5BZ HPE InfiniBand Switch Installation SVC
2 HA113A1#5MW HPE Aruba 6xxxN8xxx Install Swt SVC
1 HU4B2A3 HPE 3Y Tech Care Basic SVC
8 HU4B2A3#ZQJ HPE Apollo xl675dGen10+ wChassis Support
1 HU4B2A3#X7Q HPE Aruba 8325-48 Support
1 HU4B2A3#YYA HPE Mellanox IB HDR 40P Switch Support
1 HU4B2A3#Z59 HPE Aruba 6300M 48 Support
7 HU4B2A3#ZSF HPE Proliant DL385 Gen10 Plus V2 Support
4 HU4B2A3#ZVP HPE Parallel File System 16FlashSvr Supp
1 HA124A1 HPE Technical Installation Startup SVC
1 HA124A1#V12 HPE Parallel File System Startup SVC
4 HA124A1#V13 HPE Parallel File System Exp Startup SVC
1 HA124A1#5N5 HPE Startup ISS Additional 1 Day SVC
1 H7RF2A1 HPE HPC Cluster Config Base SVC
1 H7RF2A1#003 HPE HPC Cluster Configuration Lvl 3 SVC