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 either electronically or in a sealed envelope. To submit electronically, follow the instructions below. Bids CANNOT be emailed.
      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 sent to: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
      ii. At this time we only accept non-ITS bids electronically. For electronic submission of bids, go to: portal.magic.ms.gov.
      and use the RFX number on the next page as your reference number.

   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

Bid Number/RFX Number: 25-04/RFX #3160007104
Opening Date: January 15, 2025 at 2:00 p.m.
Description: GPU Cluster Expansion

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	GPU Cluster Expansion		

The Mississippi State University High Performance Computing Collaboratory request bids for a high performance compute cluster system expansion.

All equipment is intended to be integrated into the existing system and must work together accordingly. Partial bids will not be accepted.
All equipment must be new; no refurbished or used equipment is allowed.
All components must have original manufacture's warranty.
All components shall have a minimum 5 year warranty/support.

This solicitation is for equipment, commodities, and warranty for requested items only.
MSU/HPC2 will be responsible for installation and integration of equipment into existing system.

The solution must provide the following components as a minimum.

Qty 2 APC (AR3350) NetShelter SX Rack 42U 750w x 1200d, Black
Qty 4 Raritan (PX3-1299-N1Q1V2) PDU 480V | 66.5kVA | 100A | (21) Saf-D-G 300
Qty 5 NVIDIA/Mellanox (QM8790-HS2F) infiniband switch: 40 port HDR
Qty 5 NVIDIA/Mellanox ENT Business Critical Support Services for QM8700, 5 Years
Qty 60 NVIDIA/Mellanox - 200GBase-AOC InfiniBand cable - QSFP56 to QSFP56 - 20 m
Qty 60 NVIDIA/Mellanox extended warranty for active optical cable,5 years
Qty 40 NVIDIA/Mellanox (MCP1650-H002E26) DAC Cable IB HDR up to 200Gb/s QSFP56 2m

Qty 40 NVIDIA/Mellanox extended warranty for copper cables,5 years
Qty 2 Dell (N3248TE-ON) 48x1G, 4x10G SFP+, PS/IO, OS10, 2xPSU
Qty 40 CAT 6 Patch cable 3m (blue)
Qty 1 Dell (S5248F-ON) 48x25GbE SFP28, 4x100GbE QSFP28, 2x100GbE QSFP-DD, PSU to IO, 2xPSU
Qty 15 Dell 25G SFP28 Passive DAC 3m

Qty 12 Dell PowerEdge R760XA Compute Nodes - Dual Intel Processor/1.5TB memory/4x L40S GPU each node configured as follows:
1x PowerEdge R760XA Server (210-BGRR)
1x No Trusted Platform Module (461-AADZ)
1x 2.5" Chassis with up to 6 NVMe Direct Drives (321-BJKJ)
1x Intel Xeon Gold 6548Y+ 2.5G, 32C/64T, 20GT/s, 60M Cache, Turbo, HT (250W) DDR5-5200 (338-CPCB)
1x Intel Xeon Gold 6548Y+ 2.5G, 32C/64T, 20GT/s, 60M Cache, Turbo, HT (250W) DDR5-5200 (338-CPCB)
1x Additional Processor Selected (379-BDCO)
1x Heatsink for 2 CPU Configuration with OCP (412-BBCP)
1x Performance Optimized (370-AAIP)
1x 5600MT/s RDIMMs (370-BBRX)
1x C30, No RAID for NVME chassis (780-BCDO)
1x No Controller (405-AACD)
1x No Hard Drive (400-ABHL)
1x Performance BIOS Settings (384-BBBL)
1x UEFI BIOS Boot Mode with GPT Partition (800-BBDM)
1x Gen 2 Fan (750-BBCC)
1x Dual, Hot-Plug, Power Supply 2400W Redundant, D Mixed Mode (450-AJEV)
1x Riser Config 0, 4x16 FH Slots (Gen5), 4x16 FH DW GPU Capable Slots (Gen5) (330-BCFY)
1x R760XA Motherboard, MLK (329-BKCK)
1x iDRAC9, Enterprise 16G (528-CTIC)
1x Nvidia ConnectX-6 Lx Dual Port 10/25GbE SFP28, No Crypto, OCP NIC 3.0 (540-BDJL)
1x Broadcom 5720 Dual Port 1GbE LOM (540-BDKD)
1x GPU Filler for Intel and NVIDIA GPUs (321-BKQT)
1x No Bezel (350-BBBW)
1x Dell EMC Luggage Tag (350-BCML)
1x BOSS-N1 controller card + with 1 M.2 480GB (RAID 0) (403-BCRR)
1x BOSS Cables, Power/Signal, Riser1 for R760xa (470-BBCD)
1x No Quick Sync (350-BCMN)
1x iDRAC,Legacy Password (379-BCSG)
1x iDRAC Service Module (ISM), NOT Installed (379-BCQX)
1x iDRAC Group Manager, Disabled (379-BCQY)
1x GPU FI CEM H++ Cable for DW, R (470-BCBW)
1x GPU FI CEM H++ Cable for DW, L (470-BCBX)
1x GPU, Right + Left Filler Sponge, R760xa (750-BBDC)
1x No Operating System (611-BBBF)
1x No Media Required (605-BBFN)
1x ReadyRails Sliding Rails (B25) (770-BFCF)

1x BOSS Shroud (330-BCLL)

1x No Systems Documentation, No OpenManage DVD Kit (631-AACK)

1x PowerEdge R760XA Shipping (340-DGLL)

1x PowerEdge R760XA Shipping Material (340-DKSH)

1x PE R760XA No CCC or CE Marking (343-BBYF)

1x ProSupport 7x24 Technical Support and Assistance 5 Years (894-3724)

1x ProSupport Next Business Day On-Site Service After Problem Diagnosis 5 Years (894-3733)

1x Dell Hardware Limited Warranty Plus On-Site Service (894-3736)

1x ProSupport Add-on for HPC, 5 Years (Requires ProSupport or ProSupport Plus) (817-8555)

1x Onsite Installation Declined (911-0418)

16x 96GB RDIMM, 5600MT/s, Dual Rank (370-BBRV)

1x 7.68TB Enterprise NVMe Read Intensive AG Drive U.2 Gen4 with carrier (400-BKGU)

2x C19 to C20, PDU Style, 2.5M Power Cord (450-AEJI)

1x NVIDIA/Mellanox ConnectX-6 Single Port HDR VPI Infiniband Adapter, PCIe Full Height (540-BCMG)

4x NVIDIA L40S, PCIe, 350W, 48GB Passive, Double Wide, Full Height GPU (490-BJVT)