



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE



PURCHASE ORDER

ASTI - FM 03-17
 REV 3 / 10 October 2023

Supplier:	ACCENT MICRO TECHNOLOGIES, INC.	PO No.:	QCS-23-10-020
Address:	8/F East Tower, Philippine Stock Exchange Center, Exchange Road, Ortigas Center, Pasig City	PO Date:	October 26, 2023
TIN:	004-968-201-000	Mode of Procurement:	Competitive Bidding

Gentleman:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: ASTI Bldg., C.P. Garcia Ave., U.P. Technology Park Complex, U.P. Campus, Diliman, Quezon City 1101
Delivery Term: Sixty (60) calendar days upon issuance of NTP

Date of Delivery: _____
Payment Term: Government Terms
Warranty Term: _____

Stock / Property No.	Unit	Description	Quantity	Unit Cost	
1	Lot	<p>Compute and Storage Servers</p> <p>1. General Overview</p> <p>1.1. The Advanced Science and Technology Institute is seeking qualified and competent suppliers that can satisfy the requirements for the supply and delivery of one (1) lot compute and storage servers.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and service charges.</p> <p>1.3. The technical specifications indicated herein are minimum requirements, unless otherwise specified.</p> <p>1.4. All equipment and other components must be compatible with or can be integrated with the current system/ setup of the computing facility.</p> <p>2. Technical Specifications</p> <p>2.1. CPU Server</p> <p>2.1.1. Number of Units: Seven (7)</p> <p>2.1.2. Processor</p> <p>2.1.2.1. Count: 4</p> <p>2.1.2.2. Cores: 32</p> <p>2.1.2.3. Threads: 64</p> <p>2.1.2.4. Base Clock: 2.00Ghz</p> <p>2.1.2.5. Max Turbo Frequency: 3.20 GHz</p> <p>2.1.2.6. Cache: 48MB</p> <p>2.1.3. Memory: 32x 32GB 3200MHz DDR4 ECC Registered DIMM Module</p> <p>2.1.4. Storage</p> <p>2.1.4.1. 3x 240Gb SATA3 2.5IN</p> <p>2.1.4.1.1. MTBF: 2M hours</p>	1	P24,698,000.00	P24,698,000.00

Postal Address : ASTI Bldg., U.P. Technology Park Complex, CP Garcia Ave., Diliman, Quezon City 1101
Website : www.asti.dost.gov.ph
Email : info@asti.dost.gov.ph

Tel No. : +632 8249-8500
 +632 8426-9755

2.1.5. Network

- 2.1.5.1. 4x SFP+ 10G Ethernet
- 2.1.5.2. 2x GbE RJ45 OOB

Management port

2.1.6. Formfactor: Twin Node 2U Rackmount

2.1.7. Power: 2200W Redundant Power

Supplies with PMBus

2.1.8. Server Management Features

- 2.1.8.1. Redfish support
- 2.1.8.2. Web based Dashboard
- 2.1.8.3. JAVA Based Serial Over LAN
- 2.1.8.4. KVM over HTML5
- 2.1.8.5. Sensor Monitor
- 2.1.8.6. Sensor Reading History Data
- 2.1.8.7. FRU Information
- 2.1.8.8. Hardware Inventory
- 2.1.8.9. Fan Profile
- 2.1.8.10. System Firewall
- 2.1.8.11. Power Consumption
- 2.1.8.12. Power Control
- 2.1.8.13. LDAP / AD / RADIUS

Support

- 2.1.8.14. Backup & Restore

Configuration

- 2.1.8.15. Remote BIOS/BMC/CPLD

Update

- 2.1.8.16. Event Log Filter
- 2.1.8.17. User Management
- 2.1.8.18. Media Redirection Settings
- 2.1.8.19. PAM Order Settings
- 2.1.8.20. SSL Settings
- 2.1.9.21. SMTP Settings

2.2. Flash Storage Server

2.2.1. Number of units: Five (5)

2.2.2. Processor

- 2.2.2.1. Count: 2
- 2.2.2.2. Cores: 24
- 2.2.2.3. Threads: 48
- 2.2.2.4. Base Clock: 2.65 GHz

2.2.3. Memory: 16x 8GB 3200MHz DDR4
ECC RDIMM

2.2.4. Storage

2.2.4.1. 2x 200GB SATA SSD

- 2.2.4.1.1. MTBF: 2M hours

2.2.4.2. 24x 3.84Tb PCIe Gen4

NVMe U.2 SSD

- 2.2.4.2.1. MTBF: 2M hours

2.2.5. Network

2.2.5.1. 2x 200Gb QSFP56 HDR

Infiniband port

- 2.2.5.2. 2x 10G SFP+ port
- 2.2.5.3. 1x GbE RJ45 OOB

Management port

2.2.6. Formfactor: 2U Rackmount

2.2.7. Power: 1600W 80 Plus Redundant

Power Supply

2.2.8. Server Management Features

- 2.2.8.1. Redfish support
- 2.2.8.2. Web based Dashboard
- 2.2.8.3. JAVA Based Serial Over LAN
- 2.2.8.4. KVM over HTML5
- 2.2.8.5. Sensor Monitor
- 2.2.8.6. Sensor Reading History
- Data
 - 2.2.8.7. FRU Information
 - 2.2.8.8. Hardware Inventory
 - 2.2.8.9. Fan Profile
 - 2.2.8.10. System Firewall
 - 2.2.8.11. Power Consumption
 - 2.2.8.12. Power Control
 - 2.2.8.13. LDAP / AD / RADIUS
- Support
 - 2.2.8.14. Backup & Restore
- Configuration
 - 2.2.8.15. Remote BIOS/BMC/CPLD
- Update
 - 2.2.8.16. Event Log Filter
 - 2.2.8.17. User Management
 - 2.2.8.18. Media Redirection Settings
 - 2.2.8.19. PAM Order Settings
 - 2.2.8.20. SSL Settings
 - 2.2.8.21. SMTP Settings

2.2.9. OS: No OS

3. Accessories

3.1. CPU Server Accessories

- 3.1.1. 4x 10G SR-SFP+ transceiver
- 3.1.2. 4x 15-20M LC-LC Multimode fiber cable
- 3.1.3. Rack railing kits
- 3.1.4. 2x 0.5-1M c13-c14 power cable

3.2. Flash Storage Server Accessories

- 3.2.1. 2x 10G SR-SFP+ transceiver
- 3.2.2. 2x 1-5M QSFP56 Infiniband HDR Direct attached copper cable
- 3.2.3. 2x 15-20M LC-LC 10Gb Multimode fiber cable
- 3.2.4. Rack railing kits
- 3.2.5. 2x 0.5-1M c13-c14 power cable

3.3. Additional Components

3.3.1. 31 units, RAID Controller

- 3.3.1.1. IO Controller: SAS 2208 - SAS SATA Raid Controller
- 3.3.1.2. Model No.: SAS 9361-8I
- 3.3.1.3. Product Type: SAS Controller
- 3.3.1.4. Host Interface: PCI EXPRESS 3.0 X8
- 3.3.1.5. Data Transfer Rate: Up to 768 MBPS Per Port
- 3.3.1.6. Interfaces: Serial Attached SCSI (SAS), SERIAL ATA/600
- 3.3.1.7. Raid Supported - Raid Levels: 0, 1, 5, 6, 10, 50, 60
- 3.3.1.8. Standard Memory: 1 GB DDR3 SDRAM
- 3.3.1.9. Ports: 2 X SFF-8087 6GB/S SAS - MINI-SAS
- 3.3.1.10. Internal Height: 2.5 -

Width: 6.6

3.3.1.11. Form Factor: Low-profile plug-in

3.3.1.12. Cache protection: Includes Cache Vault flash cache protection

3.3.2. 30 units, Internal Mini-SAS SFF-8087 to Mini-SAS High Density HD SFF-8643

3.3.2.1. Speed: 12Gb/s

3.3.2.2. Length: 50cm-80cm

3.3.3. 20 units, 2.5" U.2 NVMe to PCIe adapter

3.3.3.1. Type: PCI-E Riser

3.3.3.2. Hard disk compatible: U.2 SSD, SAS SSD, SATA 7+15 SSD, 2.5-inch solid state drive

3.3.3.3. Support Card Slot: PCIE X4 Compatible With X8/X16

3.3.3.4. Transmission Bandwidth: 32GT/s

3.3.3.5. Operating system: Linux, Fedora, SUSE, Ubuntu, Red Hat native drivers support PCIe NVMe

3.3.3.6. Feature: Compliant with PCI Express specification revision v3.0; Backward compatible with PCIE V2.0 and V1.0 motherboards; Supports one U.2 SSD drive; U.2 SFF-8639 SSD gets 3.3v power from motherboard PCIe BUS slot.

3.3.4. 20 units, 16TB SAS Drive

3.3.4.1. Interface: SAS 12Gb/s

3.3.4.2. Capacity: 16 TB

3.3.4.3. RPM: 7200 RPM

3.3.4.4. Cache: 256MB

3.3.4.5. Average Latency: 4.16ms

3.3.4.6. Form Factor: 3.5" - Height (maximum): 26.11 mm - Width (maximum): 101.85 mm - Length (maximum): 147 mm

3.3.5 45 units 15-20M LC-LC OM3 10Gb Multimode fiber cable

3.3.6 3 units 1-5M QSFP56 Infiniband HDR Direct attached copper cable

4. Warranty and After-sales Support

4.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.

4.2. Defective and incorrect items shall be replaced.

4.3. Three (3) - year warranty that covers defects in materials and workmanship.

4.4. Five percent (5%) warranty security in the form of either retention money or special bank guarantee.

4.5. End-user must be able to request technical support by phone, email or through a website.

4.6. Onsite technical support may be requested for special cases or critical severity issues.

4.6.1. Four (4) business hours, and updates every 3 business days for critical severity issues that impact a lot of staff.

4.6.2. Eight (8) business hours, and updates every 5 business days for high severity


	<p>issues that incur serious degradation to application performance or functionality.</p> <p>4.6.3. Twenty-four (24) business hours, and updates by request for medium severity issues that moderately impact user operations.</p> <p>4.6.4. Forty-eight (48) business hours, and updates by request for low priority issues such as inquiries or issues with limited impact to user operations.</p> <p>5. Payment and Delivery Terms</p> <p>5.1. The price of bid must be inclusive of government taxes and additional fees.</p> <p>5.2. Government terms, payment upon complete delivery.</p> <p>5.3. Delivery of goods shall be made by the supplier within sixty (60) calendar days upon issuance of Notice to Proceed.</p> <p>(Please see attached offer.)</p>		
		TOTAL:	₱24,698,000.00
(Total Amount in Words)		Twenty Four Million Six Hundred Ninety Eight Thousand Pesos Only	

The contract price is inclusive of taxes and other fees or charges. In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, DOST-ASTI may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances and in accordance with the provisions of the latest implementing rules and regulations of RA 9184.


Conforme:

Very Truly Yours,

(Signature over Printed Name of Supplier)


FRANZ A. DE LEON, Ph.D. Digitally signed by Franz A. De Leon on 2023.10.27 10:05:29
Director, DOST-ASTI

(Date)

Fund Cluster:	07	ORS / BURS No.: 073086012023-10-000529
Funds Available:	PHP 24,698,000.00	ORS / BURS Date: OCTOBER 27, 2023 Amount: ₱ 24,698,000.00
<p style="text-align: center;"> GAY CONCEPCION S. BUGAGAO Accountant III</p>		



26 October 2023

NOTICE TO PROCEED
PUBLIC BIDDING

Mr. CHRISTOPHER B. GARCIA
 VP - PSG
ACCENT MICRO TECHNOLOGIES, INC.
 8/F East Tower, Philippine Stock Exchange Center
 Exchange Road, Ortigas Center
 Pasig City

Dear Mr. Garcia,

Notice is hereby given to **ACCENT MICRO TECHNOLOGIES, INC.** that work/delivery may proceed for the following procurement details:

	Contract Name	: Supply and Delivery of One (1) Lot Compute and Storage Servers
	Purchase Request No.	: QCS-23-08-17335
	Purchase / Work Order No.	: QCS-23-10-020
	Total Contract Price	: Php 24,698,000.00
(inclusive of taxes, import duties and all other charges or fees)		
	Total Contract Price in Words	: Twenty Four Million Six Hundred Ninety Eight Thousand Pesos

Upon signing receipt of this Notice, you are responsible for performing the services under the terms and conditions of the Agreement/Purchase Order/Work Order and in accordance with the schedule of requirements/delivery schedule.

You are also hereby required to file a Warranty Security for a minimum period of three (3) months, in the case of Expendable Supplies, or a minimum period of one (1) year, in the case of Non-Expendable Supplies, after acceptance by the Procuring Entity of the delivered supplies. It shall be either retention money in an amount equivalent to at least five percent (5 %) of every progress payment, or a special bank guarantee equivalent to at least five percent (5 %) of the total contract price. The said amounts shall only be released after the lapse of the warranty period or, in the case of Expendable Supplies, after consumption thereof: Provided, however, That the supplies delivered are free from patent and latent defects and all the conditions imposed under the contract have been fully met.

Note that failure to comply with the above requirements and failure to perform the services under the terms and conditions of the Agreement/Purchase Order/Work Order may constitute grounds for its forfeiture.

Please acknowledge receipt and acceptance of this Notice by signing in the space provided below. There are two (2) copies of this document; you may keep one copy and return the other to the Bids and Awards Committee (BAC) Secretariat of the Advanced Science and Technology Institute. Should you have any questions or clarifications, you may reach us at bac-sec@asti.dost.gov.ph.

Respectfully,

FRANZ A. DE LEON, Ph.D.  Digitally signed by Franz A. De Leon
 Director

DATE OF ISSUANCE:

08 NOV 2023

RECEIVED BY:

WARRANTY SECURITY

Signature over Printed Name

Type of Warranty Security:

Amount of Warranty Security:

O.R. No.:

Php

Date and Time

Postal Address : ASTI Bldg., U.P. Technology Park Complex,
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ASTI-FM 03-18
 REV 3 / 05 October 2023