



Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number 6315700
Procuring Entity UNIVERSITY OF THE PHILIPPINES - MINDANAO
Title Supply of Bioinformatics Servers for the Philippine Genome Center (PGC) Mindanao
Area of Delivery Davao Del Sur

Solicitation Number:	2019-136	Status	Active
Trade Agreement:	Implementing Rules and Regulations	Associated Components	4
Procurement Mode:	Public Bidding	Bid Supplements	0
Classification:	Goods	Document Request List	11
Category:	Information Technology	Date Published	13/07/2019
Approved Budget for the Contract:	PHP 6,500,000.00	Last Updated / Time	13/07/2019 00:00 AM
Delivery Period:	90 Day/s	Closing Date / Time	05/08/2019 09:00 AM
Client Agency:			
Contact Person:	Vicente B. Calag Chair, Bids and Awards Committee Mintal, Tugbok District Davao City Davao Del Sur Philippines 8022 63-82-2930016 Ext.103 63-82-2930258 bac.upmindanao@up.edu.ph		

Description

INVITATION TO BID FOR THE SUPPLY OF BIOINFORMATICS SERVERS FOR THE PHILIPPINE GENOME CENTER (PGC) MINDANAO

The University of the Philippines Mindanao, through the GAA 2019 DOST Grants-in-Aid, intends to apply the amount of Six Million Five Hundred Thousand Pesos Only [P6,500,000.00] being the Approved Budget for the Contract (ABC) to payments under the SUPPLY OF BIOINFORMATICS SERVERS FOR THE PHILIPPINE GENOME CENTER (PGC) MINDANAO. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The University of the Philippines Mindanao now invites bids for the Supply of Bioinformatics Servers for the Philippine Genome Center (PGC) Mindanao. Delivery of the Goods is required 60-90 days from receipt of Notice to Proceed. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

Interested bidders may obtain further information from the University of the Philippines Mindanao Bids and Awards Committee Secretariat and inspect the Bidding Documents at the address given below during office hours from 8:00 AM-5:00 PM, Monday-Friday.

A complete set of Bidding Documents may be acquired by interested Bidders starting 15 July 2019 (Monday) from the address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by GPPB in the amount of P10,000.00.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

The University of the Philippines Mindanao will hold a pre-bid conference on 22 July 2019 at 9:00 AM at the Gaisano Conference Room, 2/F Administration Building, University of the Philippines Mindanao, Mintal, Davao City, which shall be open to prospective bidders.

Bids must be duly received by the BAC Secretariat at the address below on or before 5 August 2019 at 9:00 AM. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause.

Bid opening shall be done immediately after the deadline for submission of bids at the Gaisano Conference Room, 2/F Administration Building, University of the Philippines Mindanao, Mintal, Davao City. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

Only payments in cash or Manager's Check payable to UP Mindanao shall be accepted.

The University of the Philippines Mindanao reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

For further information, please refer to:

The BAC Secretariat
SPMO, G/F Administration Building
University of the Philippines Mindanao, Mintal, Davao City 8000
Tel No. [082] 293-0016 local 103

(Sgd) PROF. VICENTE B. CALAG, MICT, MSCS
BAC Chair

TECHNICAL SPECIFICATIONS and SCHEDULE of REQUIREMENTS

Item Description: Computational and Storage Servers, Computer Workstations, Firewall Server, Switch, Data Cabinet, etc

Unit: Lot

Qty: 1

ABC: Php 6,500,000.00

Payment Terms: Accepts Purchase Order

Delivery Terms: 60-90 days

I. Computational Server (1 unit, 4 nodes in a 2u server)

Specifications for each node:

- 1) Processor speed: At least 2 X 2.1 GHz 12-Core Intel Xeon
- 2) RAM: At least 12 X 32 GB DDR4
- 3) LAN: 2x10G optical fiber SFP+
- 4) At least LSI 3008 (HBA/IT mode) or compatible
- 5) Storage space: At least 2 x 480 GB SATA SSD
- 6) Operating system: Ubuntu Linux for server

Inclusions:

- 7) Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
- 8) 2 units 10G SFP+ multimode transceivers and 2 LC-LC multimode fiber cables (at least 10 meters) that must be compatible with the computational server
- 9) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period

Philippine Genome Center Building (College of Science Complex, UP Diliyan, Quezon City),

II. Storage Server (1 unit)

Specifications:

- 1) Processor speed: At least 2 X 2.1 GHz 12-Core Intel Xeon
- 2) RAM: At least 8 X 32 GB DDR4
- 3) LAN: 2x10G optical fiber SFP+
- 4) At least LSI 3008 (HBA/IT mode) or compatible
- 5) Operating system: Ubuntu Linux for server
- 6) Storage space:
 - a. At least 4 x 480 GB SATA SSD
 - b. At least 12 x 6 TB SAS HDD
- Inclusions:
 - 7) Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
 - 8) 2 units 10G SFP+ multimode transceivers and 2 LC-LC multimode fiber cables (at least 10 meters) that must be compatible with the storage server
 - 9) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period
 - 10) Shipping to Philippine Genome Center Building (College of Science Complex, UP Diliman, Quezon City), Installation, Cabling (I/O ports and switch), and Configuration by Field Service Engineer and all materials needed for installation

III. Computer Workstations (8 units)

Specifications for each unit:

- 1) Processor speed: Intel i7 Core
- 2) RAM: At least 8 GB DDR
- 3) Storage space: At least 1 TB SATA HDD
- 4) Operating system:
 - a. Windows 10 operating system with license
 - b. Ubuntu Linux (optional as dual boot)
- 5) USB 3.0 ports
- 6) Gigabit LAN
- 7) WLAN
- 8) Bluetooth
- 9) With HDMI and VGA ports and cables
- 10) Graphics card - CUDA cores: at least 768, Graphics clock: at least 1290 MHz, Processor clock: at least 1392 MHz, Memory clock: at least 7 Gbps, Standard memory config: at least 4 GB, Memory interface: GDDR5, Memory interface width: at least 128-bit, Memory bandwidth: at least 112 GB/sec, Supported technologies: CUDA, 3D Vision, PhysX, NVIDIA G-SYNC™, Ansel
- 11) Ultrawide monitor (23-27 inches)
- 12) Wired keyboard and mouse
- 13) With endpoint protection (3-year license)
- Inclusions:
 - 14) 8 units Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
 - 15) 2 units of Microsoft Office, with multi-user (for 5 individuals) license
 - 16) At least 8 units Cable: Factory-terminated Cat6 patch cords that support 1G (at least 25 meters)
 - 17) 3 units Wireless Access Points
 - 18) 12 units Workstation Desks (W x D x H: 700 – 750 mm x 350 – 400 mm x 650 – 700 mm) with Office Chairs (with arm rests and back rest)
 - 19) 10 units Steel Rolling Drawers (W x D x H: 450 – 500 mm x 450 – 500 mm x 450 – 500 mm)
 - 20) 1 unit Laser Color Printer (at least 20 ppm, at least 600 x 600 dpi, printer/copier/scanner, 3-year warranty on all parts and services including annual preventive maintenance for the duration of the warranty period)
 - 21) Portable whiteboard with stand
 - 22) Structured Cabling (non-invasive)
 - a. Mini-Comm Module, Cat 6, UTP, 8 POS 8 wire, White (at least 21 pcs)
 - b. Mini-Comm Module, Cat 6, UTP, 8 POS 8 wire, Black (at least 24 pcs)
 - c. Patch Panel 24-Port, Modular Snap In, Black (Unloaded) (at least 1 pc)
 - d. Copper Patch Cord, Cat 6, Blue UTP Cable, 1 meter (at least 24 pcs)
 - e. Copper Patch Cord, Cat 6, Blue UTP Cable, 2 meters (at least 21 pcs)
 - f. Cable Organizer (Steel) for Data Rack 1U2H (at least 1 pc)
 - g. UTP Cable, Cat 6, 4-Pair, 24 AWG w/ 30% Contingency (at least 2 rolls)
 - h. Roughing-ins and cable accessories consumable (1 lot)
 - i. Labor Installation (1 lot)
 - j. Cables will be placed in a floor wire duct
 - k. Data Com Box (100x250x250mm) (1 pc)
 - 23) 3-year warranty on all parts and services for each unit, including annual preventive maintenance for the duration of the warranty period
 - 24) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation by Field Service Engineer and all materials needed for installation

IV. Computer Workstations (2 units)

Specifications for each unit:

- 1) Processor speed: Intel i7 Core
- 2) RAM: At least 64 GB DDR
- 3) Storage space: At least 1 TB SATA HDD
- 4) Operating system:
 - a. Windows 10 operating system with license
 - b. Ubuntu Linux (optional as dual boot)
- 5) USB 3.0 ports
- 6) Gigabit LAN
- 7) WLAN
- 8) Bluetooth
- 9) With HDMI and VGA ports and cables
- 10) Graphics card - CUDA cores: at least 3584, Boost clock: at least 1582 MHz, Memory speed: at least 11 Gbps, Standard memory config: at least 11 GB GDDR5X, Memory interface width: at least 352-bit, Memory bandwidth: at least 484 GB/sec, Supported technologies: CUDA, 3D Vision, PhysX, NVIDIA G-SYNC™, Ansel
- 11) Ultrawide monitor (23-27 inches)
- 12) Wired keyboard and mouse
- 13) With endpoint protection (3-year license)
- Inclusions:
 - 14) 2 units Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
 - 15) At least 2 units Cable: Factory-terminated Cat6 patch cords that support 1G (at least 25 meters)
 - 16) 3-year warranty on all parts and services for each unit, including annual preventive maintenance for the duration of the warranty period
 - 17) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation by Field Service Engineer and all materials needed for installation

V. Firewall System (1 unit)

Specifications:

- 1) With Network Protection
- 2) With Web Protection
- 3) VPN-compatible
- 4) At least 250 Mbps for firewall throughput
- 5) Networking: At least dual 1GbE RJ45 LAN
- Inclusions:
 - 6) Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
 - 7) Cables: At least 4 units of Factory-terminated Cat6 patch cords that support 1G (at least 3 meters)
 - 8) 3-year license and warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period
 - 9) Shipping to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation, Configuration and Integration with the switch, workstations, and internet service provider by Field Service Engineer and all materials needed for installation
 - 10) Training by Field applications specialist good for 5-10 pax. Training should include equipment operation, maintenance, documentation, and troubleshooting

VI. Switch (2 units)

Specifications for each unit:

- 1) Total System Ports: At least 28 Gigabit Ethernet
 - a. At least 24 x PoE+ Gigabit Ethernet Ports
 - b. At least 2 x GbE Combo Ports + 2 x SFP Slots
- 2) At least 382W Dedicated PoE Power
- 3) At least 41.66 Mbps Transfer Rate
- 4) At least 56 Gb/s Switching Capacity
- 5) At least 12 Mb Packet Buffer
- 6) IPv6 Support
- 7) Advanced Layer 3 Traffic Management
- 8) Flash: At least 32 MB
- 9) CPU Memory: At least 256 MB
- Inclusions:
 - 10) 2 units Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector
 - 11) Cable manager
 - 12) 1-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period
 - 13) Shipping to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation, Configuration and Integration with the firewall server, workstations, and internet service provider by Field Service Engineer and all materials needed for installation
 - 14) Training by Field applications specialist good for 5-10 pax. Training should include equipment operation, maintenance, documentation, and troubleshooting

Specifications:

- 1) 12 U
- 2) Ventilated top
- 3) Cable access (Top and bottom)
- 4) Side panels are lockable and removable
- 5) Width: at least 600mm
- 6) Internal working depth: at least 700mm
- 7) With installed horizontal Power Distribution Unit (PDU)
- 8) With wheels/rollers

Inclusions:

- 9) Shipping to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), and Installation by Field Service Engineer of switches, firewall server, and cables
- 10) 1-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period

VIII. Tower-Type Airconditioner (1 unit)

Specifications:

- 1) Inverter type
- 2) 2.0 HP

Inclusions:

- 3) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period
- 4) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation by Field Service Engineer and all materials needed for installation
- 5) Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector

IX. Portable LCD Projector (2 units)

Specifications for each unit:

- 1) Resolution: 1920 x 1000
- 2) With cables necessary for operation (e.g. power cables)
- 3) With HDMI port and cable
- 4) With USB port and cable
- 5) With VGA port and cable
- 6) At least 5000 lumens

Inclusions:

- 7) 2 units Projector Screen (tripod-type)
- 8) 3 units Laser Pointers/Presenters
- 9) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City) with all materials and services needed for operation
- 10) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period

X. Document Camera (2 units)

Specifications for each unit:

- 1) At least 2MP
- 2) At least 30 fps
- 3) At least 1080p HD resolution
- 4) At least 10x zoom
- 5) With VGA port and cable
- 6) With USB port and cable
- 7) With HDMI port and cable
- 8) With cables necessary for operation (e.g. power cables)
- 9) With microphone

Inclusions:

- 10) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City) with all materials and services needed for operation

XI. Portable all-in-one PC (1 unit, similar to touch-screen TV)

Specifications:

- 1) 50-60 inches
- 2) At least Intel i5 Core processor
- 3) At least 8 GB DDR RAM
- 4) At least 1 TB HDD
- 5) Installed with suitable operating system with license
- 6) With compatible graphics card
- 7) With USB 3.0 port(s)
- 8) With stylus
- 9) Suitable LAN
- 10) Bluetooth
- 11) With HDMI and VGA ports and cables
- 12) With wall mount, stand, and installation
- 13) With cables necessary for operation (e.g. power cables)
- 14) With endpoint protection with suitable license

Inclusions:

- 15) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation by Field Service Engineer and all materials needed for installation
- 16) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period
- 17) Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector

XII. Camera (1 unit)

Specifications:

- 1) Mirrorless
- 2) At least 24.3 MP
- 3) 0.75x with 50mm lens
- 4) ISO 200 to 12800(1/3 step), Extended: ISO 100 / 125 / 160 / 25600 / 51200
- 5) With USB3.0 (High-Speed) / micro USB terminal
- 6) With HDMI micro connector (Type D)
- 7) 3.5mm, stereo mini connector (Microphone)
- 8) 2.5mm, Remote Release Connector
- 9) Wi-Fi (IEEE 802.11b / g / n)
- 10) Bluetooth Ver. 4.0 (Bluetooth low energy)
- 11) Recording time: 4K: approx. 35 min., FULL HD: approx. 45 min.
- 12) Frame rate: 59.94p / 50p / 29.97p / 25p / 24p / 23.98p
- 13) With cables necessary for operation (e.g. power and data cables)

Inclusions:

- 1) Tripod
- 2) 2 additional SD cards
- 3) 2 additional extra batteries
- 4) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City) with all materials and services needed for operation
- 5) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period

XIII. Voice recorder (1 unit)

Specifications:

- 1) With at least 4 GB internal memory, expandable to 32 GB with micro SD
- 2) With built-in USB connector

Inclusions:

- 3) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), with all materials and services needed for operation
- 4) 1-year warranty on all parts and services

XIV. Proximity door access control (3 units)

Specifications for each unit:

- 1) With fingerprint access control
- 2) With reader/controller
- 3) With capability to store at least 500 fingerprint entries
- 4) With capability to store at least 500 card entries
- 5) Can read fingerprint/password/card
- 6) With push button for exit
- 7) With electromagnetic lock, 12VDC operating voltage
- 8) With ZL bracket
- 9) Regulated power supply, 12 VDC for lock
- 10) With cables necessary for operation (e.g. power cables)
- 11) With emergency opening mechanism in cases of power outage, etc

Inclusions:

- 12) With at least 25 proximity cards with customized printing
- 13) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), Installation by Field Service Engineer and all materials needed for installation and system setup
- 14) 3-year warranty on all parts and services, including annual preventive maintenance for the duration of the warranty period

XV. Microsoft Office (3 units)

Specifications for each unit:

- 1) At least Microsoft Office 2019 version
- 2) With multi-user (for 5 individuals) license

Inclusions:

- 3) Shipping of each unit to Philippine Genome Center-Mindanao Satellite Facility (College of Science and Mathematics, UP Mindanao, Davao City), with all materials and services needed for operation

Pre-bid Conference

Date	Time	Venue
22/07/2019	9:00:00 AM	Gaisano Conference Room, 2F Administration Building, UP Mindanao, Mintal, Davao City

Other Information

Please call the BAC Secretariat for details about the bid documents.

Created by Socorro Brenda Acuna

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