

TERMS OF REFERENCE
for
SUPPLY, DELIVERY AND TESTING OF FOUR (4) UNITS OF HIGH END TOWER
DESKTOP COMPUTER WITH UPS

I – INTRODUCTION

1.0 Overview

PAGASA is in need of four (4) units of High End Tower Desktop Computer with UPS as additional Desktops for Numerical Modeling Section of Researchers/Personnel.

2.0 Approved Budget for the Contract

The approved budget for the High End Tower Desktop Computer with UPS is in the amount of One Million Eight Hundred Pesos Only (₱ 1,800,000.00).

3.0 Qualifications of Bidder

(Please refer to Section II. Instructions to Bidders, the Bid Data Sheet and Checklist of Eligibility Requirements)

4.0 Bid Proposal Contents – Bidders shall respond paragraph by paragraph to all the following specifications and shall clearly indicate compliance thereto. The bidder should include in its proposal, the descriptive literatures of all equipments/materials to be supplied in original format.

These details permit PAGASA to fully evaluate cost tradeoffs.

5.0 Explanation and Interpretation

Should the bidder observe any ambiguity, discrepancy, omission or be in doubt as to the intention and meaning of these bid documents, he should immediately clarify the same with the PAGASA-BAC **only in writing**. Answers to clarificatory questions shall be officially made through a Supplementary Bid/Bulletin and shall be made available to all participating bidders.

6.0 Bid Validity

The bid shall remain valid for a period of one hundred twenty (120) days from the date of opening of bids.

7.0 Submission of Bids

All bids must be submitted not later than the certain date and time scheduled by the PAGASA-BAC or as agreed upon by the PAGASA-BAC and the bidders, whichever is applicable.

8.0 Delivery Period

The bidder must be able to deliver within forty five (45) calendar days upon receipt of the approved notice to proceed in PAGASA Central Office

9.0 Warranty

Three (3) years warranty on 4 Units of Tower desktop Computer and UPS and Batteries.

10.0 Taxes

The bid proposal shall be inclusive of all duties and other applicable taxes.

II. TECHNICAL SPECIFICATIONS

▪ TOWER DESKTOP COMPUTER SPECIFICATIONS:

Chipset:

- Intel® C621 (Lewisburg)

Processor:

- Intel Xeon Gold 6130 | 16 Cores | 3.70 GHz Turbo | 22 MB L3 Cache | 3 UPI Links | 10.4 GT/s | 125 W

Memory:

- 32 GB | (4 x 8 GB) DDR4 | 2666 MHz | RDIMM ECC

Storage:

- 4x 2 TB (7200rpm SATA Hard Drive | 3.5" | 12Gb/s)

RAID:

- Support 0, 1, 5, 10

GPU:

- Dual NVIDIA Quadro P2000 | 5GB (7x20T)

Network Card:

- Intel X550 Quad Port Network Daughter Card (2x10GbE, 2x1Gbit)

Connectivity:

- USB 3.1 Type A
- USB 3.1 Type C with PowerShare
- Universal Audio Jack
- PCIe slots
- SATA @6GB/s
- SATA Optical
- HDMI | DVI | VGA
- Network Port
- SD Card Slot

Dimension:

- Height: 433 mm | 17.13" | 43.51 cm
- Width: 218 mm | 8.50" | 21.59 cm
- Depth: 566 mm | 21.46" | 54.50 cm
- Weight: 20.4 kg | 45.0 lb

Included:

- Ultra Speed Drive Quad Card PCIe x16 card
- Single Processor Air Heatpipe
- AHCI SATA chipset controller (8x 6.0GB/s)
- Tower Chassis
- Front Bezel
- CPU clip, assemble CPU with heat sink

- 8x DVD-ROM 9.5mm Optical Disk Drive
- 8x Half-Height BD-RE Drive
- Regulatory Label
- Half Height Drive Cable
- Adapter – Display Port to DVI (Dual Link)
- 1Gbit NIC add-in card (PCIe – Intel)
- Optical Mouse
- Mouse Pad
- Wired Keyboard
- Monitor
- External Hard Drive
- Power Cords
- Warranty three (3) years
- User's manual guide

UPS Specifications:

- **Capacity (VA):** 2200
- **Capacity (Watts):** 1320
- **Input Voltage Range:** 160-265 Vac
- **Frequency Range:** 47-63 Hz (Auto Sensing)
- **On Battery Output Voltage:** Simulated Sine Wave at 230Vac +/-10%
- **On Battery Output Frequency:** 50/60Hz +/-1%
- **Total # of Batteries:** 2 (pcs)
- **Transfer Time:** 4ms Typical
- **Overload Protection:** On Utility: Circuit Breaker & Internal Current Limiting
: **On Battery:** Internal Current Limiting
- **Lightning / Surge Protection:** Yes
- **Surge Suppression (Joules):** 125
- **EMI/RFI Filtration:** Yes
- **Phone/Network Protection RJ11/RJ45 (Combo):** 1-in, 1-out
- **Operating Temperature:** 0°C to 40°C
- **Operating Relative Humidity:** 0 to 90% non-condensing
- **Total # of UPS outlets:** (6) IEC 320 C13
- **Maximum Dimensions (LxWxH):** 326x140x180 (mm)
(L x W x H): 7.09x12.835x5.512 (inch)
- **Weight (kg):** 15.1
- **Sealed Maintenance Free Lead Acid Battery:** 12V / 9Ah x2
- **Typical Recharge Time:** 8 hours
- **User Replaceable:** Yes
- **Indicators:** Power On / Using Battery
- **Audible Alarms:** On Battery, Low Battery, Overload
- **Audible Noise at 1.5m from Surface of Unit:** 50 dBA
- **Online Thermal Dissipation (BTU/hr.):** 225
- **Power Panel® Personal Edition Software:** Windows 7/Vista/XP/2000/Server 2003, Linux
- **Auto-Charger:** Yes
- **Auto-Restart:** Yes
- **USB:** Yes

- **UPS Topology:** Line-interactive
- **Energy Saving Technology:** Yes
- **Management Cables:** Power Cord x1, USB Cable x1, Phone Line x1
- **Power Cord Length:** 6ft
- **Automatic Voltage Regulation (AVR):** Single Boost, Single Buck
- **Overload Protection:** Circuit Breaker
- **LCD Panel:** Yes
- **LCD Information Display:** Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information
- **LCD Settings & Control:** Alarm Setting
- **LED Indicators:** Power On
- **HID Complaint USB Port(s):** 1
- **Serial Port:** Yes
- **Enclosure Construction:** Metal
- **Certifications:** CE
RoHS: Yes