



ADDENDUM NO. 01

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the **Provision of I.T Equipment and Data Server for the Operation of FASTRAC MAPX Project**. This shall form an integral part of the Bid Documents.

Name of Project: **Provision of I.T Equipment and Data Server for the Operation of FASTRAC MAPX Project**
Location: CSU Campus, Ampayon, Butuan City
Brief Description: Provision of I.T Equipment and Data Server for the Operation of FASTRAC MAPX Project
Approved Budget for the Contract : **Php. 4,000,000.00**
Source of Funds: TRF 2020
Contract Duration: 90 Calendar Days

Please be informed of the changes in the Bidding Documents, as follows:

Changes/ Amendment

FROM	TO
60 Calendar Days	90 Calendar Days

Specification:

High Performance Computing and Its Accessories

a. High Performance Computing (HPC) Server,

Branded Processor : 2 x Server Processor 3.3Ghz, 12C/24T, 10.4GT/s, 24.75M Cache, Turbo, HT (165W) DDR4-2933 Memory : 4 x 32GB RDIMM 3200MT/s, Dual Rank DIMM slots : 24 DDR4 DIMM Slots, Supports RDIMM / LRDIMM Storage : BOSS Controller Card + with 2 M.2 Sticks 480GB (RAID 1), FH Controller : Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 480GB Drive Bays : Up to 16 x 2.5" SAS/SATA (HDD/SSD) or 8 x 3.5" SAS/SATA HDD Network : Intel X710 Quad Port 10GbE SFP+, rNDC Transceiver : 4 x SFP+ SR Optic 10GbE 850nm Transceiver Modules Cable Accsry : 2 x Fiber Patch Cord, LC – LC, 2m Accelerator : 3 x NVIDIA Tesla V100S 32GB, 250W, Passive, DW, Full Height GPU Power Supply : Dual, Hot-plug, Redundant Power Supply, 2000W Power Cord : 2 x Jumper Cord - C19/C20, 0.6M, 250V, 16A Form Factor : 2U Rack Mount Accessories : ReadyRails Sliding Rails With Cable Management Arm Management : iDRAC9, Enterprise Software : OpenManage Enterprise , Warranty : 3 years, Advanced Support : ProSupport and NBD Onsite Service Initial-Emerging DBS, 36 Months OS : Microsoft Windows Server Standard Core 2016 Single Academic OLP 16 Licenses No Level Core License with 5 License No Level Device CAL

b. Server Enclosure, Branded, 48U

Server Enclosure Features and Specifications: • Adjustable EIA-310-E compliant mounting rails • Top panel with airflow or cable cover plates • High-flow perforated steel front and rear doors • Swing handles with lock • Lockable sides • Vertical air baffles with cable pass-thru for 800mm width • Castors, leveling feet and anti-tip brackets • Quick-connect grounding • Dimension: 48U, 800mm (Width), 1170mm (Depth), 2259 (Height) • Static Load Rating: 1500kg • 2 x Basic Power Distribution Unit with 20 x C13; 4 x C19 sockets per PDU • PDU should be of the same brand with the server enclosure. Warranty: 1 year , Support : 1 year 8 x 5 next day business day Response.



c. UPS, Online Double Conversion, 15kVA

Equipment Specifications: • Input § Rated Voltage : 380 / 400 / 415 3-Phase + N; 220 / 230 / 240 1-Phase + N § Rated Frequency : 50/60 Hz § Voltage Tolerance : 200 / 400 ± 20% at Full Load § Frequency Tolerance : 40 – 72 Hz § Power factor : 0.99 @ Full Load § Current distortion : THDI ≤3% • Bypass § Rated Voltage : 220 / 230 / 240 1-Phase + N § No. of Phases : 1 + N § Voltage Tolerance : 180 - 264 VAC § Rated Frequency : 50 or 60 Hz (Selectable) § Frequency tolerance : ± 5% (selectable) § Bypass Overload : 110% Infinite, 125% for 60 min., 150% for 10 min. • Output § Nominal Power : 15 kVA § Active Power : 15 kW § Power Factor : 1 up to 40 °C § No. of Phases : 1 + N § Rated Voltage : 2201 / 230 / 240 single-phase + N (selectable) § Rated Frequency : 50 or 60 Hz Supply, Delivery and Installation of High Performance Computing with Accessories & Power Equipment § Frequency stability on battery operation : 0.01% § Voltage Stability : ± 1% § Dynamic Stability : EN 62040-3 class performance 1 non-linear load § Voltage distortion : < 1% with linear load / < 1.5% with non-linear load • Batteries § Type : VRLA AGM / GEL / NiCd / Li-Ion / Supercaps § Battery Config : 20 x 12V 42Ah SMF VRLA Batteries with Connectors § Recharging Method : 1-Level, 2-Level, Cyclic Recharge (Selectable) • Other Features § Communications : UPS LED Status Bar, Graphic Touch Screen Display, 2 Slots for Communication Interface, USB, RS232, Contact Interface with 5x opto insulated input and 4x Output relays. § Ambient Temperature : 0 °C to +40 °C § Battery Life Temperature : +20 °C to +25 °C § IP Rating : IP20 § Efficiency : Up to 99% [Smart Active] § Output sockets : Terminal board + 2 IEC 320 C13 + 1 IEC 320 C19 § Standards : EN 62040-1 EMC EN 62040-2 Directives : 2014/35/EU, 2014/30/ EU EN 62040-3 § Range of Relative humidity : 5 - 95% non-condensing § Noise level at 1 m : < 40 dBA [Smart Active] • Others § Local Materials o 22 mm² THHN Wires o 8 mm² THHN Wires o 80A / 2P MCCB • Support Requirement: § Should provide Certification as Authorized Distributor/Reseller and Service Provider of the brand from the UPS Manufacturer as proof of support that contractor can repair, advise replacement and/or troubleshoot power protection of equipment. § Should provide certification as Certified Engineer of the UPS brand offered as proof of capability to provide support. Warranty: 1 year Support : 1 year 8 x 5 next day business day response.

d. Engineering Support Services

Solution provider to install the following: a) OS for High Performance Computing Server b) Server Enclosure c) 15kVA UPS • The server should be implemented using SCSI protocol. If deemed necessary, the existing network / computing setup should be reconfigured to meet the desired setup. • The UPS should be installed with the existing battery rack and include the new battery configuration with the existing batteries.

For Statement of all its on-going government and private contracts, including contracts awarded but not yet started and SLCC:

- To attach additional document in each of the above-mentioned technical requirement for each of the contract listed and presented to the same reflecting details/ data as follows: name of the contact person, contact numbers, contact person and email address

Submission of Bids:

- To allow submission of both 1 softcopy/e-copy (password protected) and hardcopy (duly sealed and signed) consisting of 1 original copy, copy1 and copy 2 of the bid



BIDS AND AWARDS COMMITTEE (BAC)

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JAS-ANZ
Acc. No. M27000CARM

documents

- For online submission of bids, each of the required eligibility document as provided for in the checklist **MUST** be scanned separately with file name in accordance with the content of the same

For guidance and information of all concerned.

ARMIE LEILA M. MORDENO, DPA, CSEE ✓
BAC Chairperson

Received by the Bidder:
