



DAVAO ORIENTAL STATE UNIVERSITY

A university of excellence, innovation, and inclusion

March 3, 2025

Project ID: **GOODS2025-11**
 Project Name: **Supply, Delivery, Installation and Configuration of 3 Nodes Hyper-Converged Infrastructure Server Appliance**
 ABC: **Nine Million Pesos (P 9,000,000.00)**

ADDENDUM NO. 1

This Addendum No. 1 is issued to modify or amend items in the Bid Documents. This shall form an integral part of the Bid Documents.

	Original Document	Amendment
<p>Technical Specifications</p> <p>1 lot Supply, Delivery, Installation, and Configuration of 3 Nodes Hyper-Converged Infrastructure Server Appliance</p>	<p>*End-user training must also be included by the vendor.</p> <p>General Technical Specifications: Software License: Nutanix Cloud Infrastructure (NCI) Starter Software Support Service: 36 Months Warranty and Support CPU: Intel Xeon-Gold 5416S 2.0GHz 16-core 150W Processor for HPE DX x 3 RAM: 32GB (1x32GB) Dual Rank x8 DDR5-4800 EC8 Registered Smart FIO Memory Kit x 24 STORAGE: 3.84TB SATA 6G Read Intensive SFF BC PM893 FIO SSD x 12 STORAGE CONTROLLER: x16 Lanes without Cache OCP SPDM FIO Storage Controller x 3 SFP ADAPTERS: 10/25GbE 2p SFP28 FIO Adptr x 3 Ethernet ADAPTERS: Ethernet 10Gb 2-port BASE-T OCP3 FIOAdapter for HPE DX x 3 SFP+ Transceivers: 10Gb SFP+ SR FIO Transceiver x 12 POWER SUPPLY UNIT: 800W Flex Slot Platinum Hot Plug Low Halogen FIO Power Supply Kit x 6 HEAT SINK: High Performance FIO Heat Sink Kit x 3 SOFTWARE: Nutanix AOS Long Term Support Pre-installed FIO Software for HPE x 3 STORAGE DEVICE: NVMe Hot Plug Boot Optimized FIO Storage Device x 3 INSTALLATION KITS: - Rear Cable Kit x 3 - Easy Install FIO Rail 3 Kit x 3</p>	<p>*End-user training must also be included by the vendor.</p> <p>General Technical Specifications: Software License: Nutanix Cloud Infrastructure (NCI) Starter Software Support Service: 36 Months Warranty and Support CPU: Intel Xeon-Gold 5416S 2.0GHz 16-core 150W Processor for HPE DX x 3 RAM: 32GB (1x32GB) Dual Rank x8 DDR5-4800 EC8 Registered Smart FIO Memory Kit x 24 STORAGE: 3.84TB SATA 6G Read Intensive SFF BC PM893 FIO SSD x 12 STORAGE CONTROLLER: x16 Lanes without Cache OCP SPDM FIO Storage Controller x 3 SFP ADAPTERS: 10/25GbE 2p SFP28 FIO Adptr x 3 Ethernet ADAPTERS: Ethernet 10Gb 2-port BASE-T OCP3 FIOAdapter for HPE DX x 3 SFP+ Transceivers: 10Gb SFP+ SR FIO Transceiver x 12 POWER SUPPLY UNIT: 800W Flex Slot Platinum Hot Plug Low Halogen FIO Power Supply Kit x 6 HEAT SINK: High Performance FIO Heat Sink Kit x 3 SOFTWARE: Nutanix AOS Long Term Support Pre-installed FIO Software for HPE x 3 STORAGE DEVICE: NVMe Hot Plug Boot Optimized FIO Storage Device x 3 INSTALLATION KITS: - Rear Cable Kit x 3 - Easy Install FIO Rail 3 Kit x 3</p>

<p>- 1 Lot SFP+ Transceivers for existing ToR Switches connectivity going to HCI Appliance</p> <p>Inclusions:</p> <p>A. Laptops for managing Hyper-Converged Infrastructure</p> <p>Processor:(24 MB cache, 16 cores, 22 threads, up to 5.0 GHz, 45W)</p> <p>Memory: 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, non-ECC</p> <p>Graphics: 8 GB GDDR6</p> <p>Display:15.6" FHD 1920x1080, 60Hz, 250 nits, Non-Touch, FHD HDR RGB</p> <p>Camera, Mic, WLAN</p> <p>Wireless: 2.4/5/6 GHz, Wi-Fi 6/6E (WiFi 802.11ax), Bluetooth</p> <p>Storage:512GB, M.2 2230, Gen4 PCIe NVMe, SSD, Class 35</p> <p>Primary Battery: 4 Cell, 64WHr, Standard Battery</p> <p>Power Supply: 130W Type C Power Adapter</p> <p>Operating System: Windows 11 Pro, English</p> <p>Microsoft Office: Office Professional 2021</p> <p>Standard Hardware Support Service: Basic Onsite Service 12 Months-ACDTS</p> <p>Hardware Support Services Upgrades: Basic Onsite Service-ACDTS Extension, 12 Month(s)</p> <p>Services Remarks: Battery Carries 1 Year Warranty from Invoice Date</p> <p>B. Microsoft Licenses for HCI and Server</p> <p>3 x Windows Server 2025 Datacenter - 16 Core Education</p> <p>1 x Windows Server 2025 Standard - 16 Core License Pack for Education</p> <p>C. Endpoint Security for Servers</p> <p>4 x Central Intercept X Advanced for Server - 36 MOS</p> <p>D. Office Setup</p> <p>Installation of ICTU Office including cabling, cooling, tables and chairs and consumables</p> <p>Networking & Cabling Materials:</p> <ul style="list-style-type: none"> • Copper Cable, Cat 6, 24 AWG, UTP, Blue – 4 Rolls • Cat 6 Punchdown Keystone Jack Modules – 12 pcs • Flush Mount Faceplates, 1-Port – 12 pcs • Cable Manager, 2U – 1 pc • Patch Panel, 24-Port, 1RU, Preloaded – 1 pc • Cat 6 UTP Patch Cords, 1m, Blue – 12 pcs • Cat 6 UTP Patch Cords, 3m, Blue – 12 pcs • Velcro Cable Ties (2m) – 2 Rolls • Labeling Cassette – 1 Lot <p>Power & Backup Systems:</p>	<p>- 1 Lot SFP+ Transceivers for existing ToR Switches connectivity going to HCI Appliance</p> <p>Inclusions:</p> <p>A. Laptops for managing Hyper-Converged Infrastructure</p> <p>Processor:(24 MB cache, 16 cores, 22 threads, up to 5.0 GHz, 45W)</p> <p>Memory: 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, non-ECC</p> <p>Graphics: 8 GB GDDR6</p> <p>Display:15.6" FHD 1920x1080, 60Hz, 250 nits, Non-Touch, FHD HDR RGB</p> <p>Camera, Mic, WLAN</p> <p>Wireless: 2.4/5/6 GHz, Wi-Fi 6/6E (WiFi 802.11ax), Bluetooth</p> <p>Storage:512GB, M.2 2230, Gen4 PCIe NVMe, SSD, Class 35</p> <p>Primary Battery: 4 Cell, 64WHr, Standard Battery</p> <p>Power Supply: 130W Type C Power Adapter</p> <p>Operating System: Windows 11 Pro, English</p> <p>Microsoft Office: Office Professional 2021</p> <p>Standard Hardware Support Service: Basic Onsite Service 12 Months-ACDTS</p> <p>Hardware Support Services Upgrades: Basic Onsite Service-ACDTS Extension, 12 Month(s)</p> <p>Services Remarks: Battery Carries 1 Year Warranty from Invoice Date</p> <p>B. Microsoft Licenses for HCI and Server</p> <p>3 x Windows Server 2025 Datacenter - 16 Core Education</p> <p>1 x Windows Server 2025 Standard - 16 Core License Pack for Education</p> <p>C. Endpoint Security for Servers</p> <p>4 x Central Intercept X Advanced for Server - 36 MOS</p> <p>D. Office Setup</p> <p>Installation of ICTU Office including cabling, cooling, tables and chairs and consumables</p> <p>Networking & Cabling Materials:</p> <ul style="list-style-type: none"> • Copper Cable, Cat 6, 24 AWG, UTP, Blue – 4 Rolls • Cat 6 Punchdown Keystone Jack Modules – 12 pcs • Flush Mount Faceplates, 1-Port – 12 pcs • Cable Manager, 2U – 1 pc • Patch Panel, 24-Port, 1RU, Preloaded – 1 pc • Cat 6 UTP Patch Cords, 1m, Blue – 12 pcs • Cat 6 UTP Patch Cords, 3m, Blue – 12 pcs • Velcro Cable Ties (2m) – 2 Rolls • Labeling Cassette – 1 Lot <p>Power & Backup Systems:</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<ul style="list-style-type: none"> • High-Frequency, Online Smart UPS, Compact Design, 2KVA/1.8KW, PF: 0.9, 48Vdc, with 4 x 9Ah Built-in Battery, USB, RS232, EPO, SNMP Port, LCD Display – 1 Unit • 12Vdc 7AH Lead Acid Batteries – 8 Units • Horizontal PDU, 8-Way C13, C14 Plug – 2 Units <p>Fiber Optic Components:</p> <ul style="list-style-type: none"> • LC/UPC-LC/UPC Duplex, OM4 (3m) – 12 pcs • LC/UPC-LC/UPC Duplex, OM4 (10m) – 4 pcs • LC/UPC-LC/UPC Duplex, OM4 (30m) – 2 pcs <p>Cooling & Furniture:</p> <ul style="list-style-type: none"> • Floor-Standing Inverter Air Conditioner, 4.0 HP – 1 Unit • 2-Seater Office Cubicles (120x120x110cm, 25mm Thickness, E1-Level Melamine Board) – 6 pcs • Ergonomic Office Chairs with Adjustable Headrest and Armrests – 12 pcs <p>Additional Electrical & Installation Works:</p> <ul style="list-style-type: none"> • Electrical Works & Accessories for UPS and AC System – 1 Lot • Pipes, Hangers, and Installation Contingencies – 1 Lot • Cable Tracing, Utility Boxes, Masking Tape, Square Nuts, Cable Ties, and Miscellaneous Consumables – 1 Lot • Mobilization, Demobilization, and Hauling – 1 Lot • General Health & Safety Requirements (PPE, Safety Measures) – 1 Set • Labor & Engineering Works (Network Cabling & Wiring) – 1 Lot <p>E. Implementation and Knowledge Transfer with As built Documentation and Project Acceptance</p> <p>QUALIFICATION OF BIDDER</p> <p>A. Prospective bidders must have at least Five (5) years experience in providing similar contracts (supply, delivery, and installation of HCI by submitting proof of documents (i.e. contract, P.O.) with active contact details. The Bidder must provide a Certificate of Completion and Acceptance by the client for the most recent, related and completed project similar to this project.)</p> <p>B. Prospective bidder/s must be a server solutions provider for at least five (5) years in the Philippines.</p>	<ul style="list-style-type: none"> • High-Frequency, Online Smart UPS, Compact Design, 2KVA/1.8KW, PF: 0.9, 48Vdc, with 4 x 9Ah Built-in Battery, USB, RS232, EPO, SNMP Port, LCD Display – 1 Unit • 12Vdc 7AH Lead Acid Batteries – 8 Units • Horizontal PDU, 8-Way C13, C14 Plug – 2 Units <p>Fiber Optic Components:</p> <ul style="list-style-type: none"> • LC/UPC-LC/UPC Duplex, OM4 (3m) – 12 pcs • LC/UPC-LC/UPC Duplex, OM4 (10m) – 4 pcs • LC/UPC-LC/UPC Duplex, OM4 (30m) – 2 pcs <p>Cooling & Furniture:</p> <ul style="list-style-type: none"> • Floor-Standing Inverter Air Conditioner, 4.0 HP – 1 Unit • 2-Seater Office Cubicles (120x120x110cm, 25mm Thickness, E1-Level Melamine Board) – 6 pcs • Ergonomic Office Chairs with Adjustable Headrest and Armrests – 12 pcs <p>Additional Electrical & Installation Works:</p> <ul style="list-style-type: none"> • Electrical Works & Accessories for UPS and AC System – 1 Lot • Pipes, Hangers, and Installation Contingencies – 1 Lot • Cable Tracing, Utility Boxes, Masking Tape, Square Nuts, Cable Ties, and Miscellaneous Consumables – 1 Lot • Mobilization, Demobilization, and Hauling – 1 Lot • General Health & Safety Requirements (PPE, Safety Measures) – 1 Set • Labor & Engineering Works (Network Cabling & Wiring) – 1 Lot <p>E. Implementation and Knowledge Transfer with As built Documentation and Project Acceptance</p> <p>QUALIFICATION OF BIDDER</p> <p>A. Prospective bidders must have at least Five (5) years experience in providing similar contracts (supply, delivery, and installation of HCI by submitting proof of documents (i.e. contract, P.O.) with active contact details. The Bidder must provide a Certificate of Completion and Acceptance by the client for the most recent, related and completed project similar to this project.)</p> <p>B. Prospective bidder/s must be a server solutions provider for at least five (5) years in the Philippines.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<p>C. The bidder has already established a minimum of 5 years and has a local office here in Davao City to support Davao Oriental State University and most importantly not a fly by night vendors.</p> <p>D. The Bidder must provide a list of ON-SITE technical personnel have a residence in Mati City with any ID proof that he or she has a residence in Mati City to call for prompt response if needed onsite.</p> <p>E. The Bidder must provide a list of ON-SITE technical personnel as required by Davao Oriental State University who shall form part of the ON-SITE implementation team with the following certification, license and eligibility:</p> <ul style="list-style-type: none"> ○ The personnel must be fully employed Engineers from the bidding company for at least 2 Years. ○ The personnel must have at least two (2) Professional-Level Certified Hyper Converged Infrastructure Engineers certified by the HCI Solution vendor. ○ Since the project will be integrated into the already existing network technology of DOrSU, bidder must have Professional-Level Certification for Network Security preferably for the existing NGFW(Fortigate) of DOrSU. ○ Should have at least 1 Associate or Specialist Level Networking and Security certifications. <p>F. Must provide Manufacturer's and Warranty Certificate for the HCI. (This ensures that the HCI hardware has been certified by the HCI Software vendor for the reason of compatibility and optimization.)</p>	<p>C. The bidder has already established a minimum of 5 years and has an office within Davao Region to support Davao Oriental State University and most importantly not a fly by night vendors.</p> <p>D.</p> <p>E. The Bidder must provide a list of ON-SITE technical personnel as required by Davao Oriental State University who shall form part of the ON-SITE implementation team with the following certification, license and eligibility:</p> <ul style="list-style-type: none"> ○ The personnel must be fully employed Engineers from the bidding company for at least 2 Years. ○ The personnel must have at least two (2) Professional-Level Certified Hyper Converged Infrastructure Engineers certified by the HCI Solution vendor. ○ Since the project will be integrated into the already existing network technology of DOrSU, bidder must have Professional-Level Certification for Network Security preferably for the existing NGFW(Fortigate) of DOrSU. ○ Should have at least 1 Associate or Specialist Level Networking and Security certifications. <p>F. Must provide Manufacturer's and Warranty Certificate for the HCI. (This ensures that the HCI hardware has been certified by the HCI Software vendor for the reason of compatibility and optimization.)</p>
--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

For guidance and information of all concerned.

(SGD)
DR. CHERYLL L. BAUTISTA
 BAC Chairperson