



Supplemental Bid Bulletin No. 01

Project: Procurement of Supply Delivery and Installation of Learning Management System and ICT Equipment Facilities for Flexible Teaching Learning Approach

This Supplemental Bid Bulletin is issued to all prospective bidders to clarify, modify and/or amend items in the Bidding Documents as discussed and agreed during the Pre-bid Conference held on December 3, 2021 at 10:00 o'clock in the morning via online video conferencing.

A. Change and Additional Technical Specifications:

From	To
Lot 1: Supply, Delivery and Installation of Learning Management System (LMS)	
<p>One (1) set - Multi-technology Interactive eLearning platform for Engineering and Technology with the use of different teaching tools such as text, 3D animation, video, audio and virtual simulation * Complete electronic access to all of the offered multi-technology learning material. -Has 287 courses, over 1000 modules, 3300 hours of learning material per year -Fully interactive multimedia accessible to unlimited number of users -Available 24/7 for total learning flexibility than can be accessed anytime and anywhere -Includes content management system to administer quizzes, track grades, provide reporting -Creation of tailored courses using any of the modules for customized student learning plan -Uses a variety of effective teaching tools such as text, 3D animation, video, audio and virtual simulation -Guided student learning through a tutorial platform Categories Automation, Electronics, Electrical, Fluid Power, Green Energy, Lean Manufacturing, Machining, Manufacturing Process, Materials, Measurement and Gauging, Mechanical, Prints and Drawings, Structural Engineering, Surveying, Thermal Processes, Quality Assurance Academe License - Unlimited Users Access for One Year Subscription to all contents * Training on digital content development and production of Engineering and Technology Learning materials</p>	<p>MULTI -TECHNOLOGY INTERACTIVE eLEARNING PLATFORM FOR ENGINEERING AND TECHNOLOGY Qty: One (1) Set</p> <ul style="list-style-type: none"> • With the use of different teaching tools such as text, 3D animation, video, audio and virtual simulation. • Complete electronic access to all of the offered multi -technology learning material. -Has 287 courses, over 1000 modules, 3300 hours of learning material per year. • Fully interactive multimedia accessible to unlimited number of users • Available 24/7 for total learning flexibility than can be accessed anytime and anywhere. • Includes content management system to administer quizzes, track grades, provide reporting. • Creation of tailored courses using any of the modules for customized student learning plan. • Uses a variety of effective teaching tools such as text, 3D animation, video, audio and virtual simulation. • Guided student learning through a tutorial platform Categories. • Automation, Electronics, Electrical, Fluid Power, Green Energy, Lean Manufacturing, Machining, Manufacturing Process, Materials, Measurement and Gauging, Mechanical, Prints and Drawings, Structural Engineering, Surveying, Thermal Processes, Quality Assurance. • Academe License – Unlimited Users for One Year Subscription to all contents
<p>One (1) Set - Data Communications Simulation Courseware *Server: Install and Storage Professional Simulation Courseware This courseware prepares students for Server Professional: Install and Storage certification exam</p>	<p>DATA COMMUNICATIONS SIMULATION COURSEWARE</p> <ul style="list-style-type: none"> • Server: Install and Storage Professional Simulation Courseware This courseware prepares students for



From	To
<p>and Microsoft's Installation, Storage, and Compute with Windows Server certification exam. 36 Through this course, students gain valuable experience with installation, storage, and OS features and functionality available in Windows Server. Good for 50 Student Licenses and 1 Teacher License for One Virtual Classroom for 3 years subscription and can be use with multiple schedules/ sections Routing and Switching Professional Simulation Courseware This online courseware shall build a student's ability to use Cisco networking devices and prepares them for five certification exams: Routing Professional Certification, Switching Professional Certification, Cisco Certification, and the Cisco CCNA composite exam. Good for 50 Student Licenses and 1 Teacher License for One Virtual Classroom for 3 years subscription and can be used with multiple schedules/ sections *Training on digital content development and production of Data Communications Learning materials.</p>	<p>Server Professional: Install and Storage certification exam and Microsoft's Installation, Storage, and Compute with Windows Server certification exam. *Through this course, students gain valuable experience with installation, storage, and OS features and functionality available in Windows Server.</p> <ul style="list-style-type: none"> • Good for 50 Student Licenses and 1 Teacher License for One Virtual Classroom for 18 months/1.5yrs subscription and can be use with multiple schedules/ sections. • Routing and Switching Professional Simulation Courseware. • Good for 50 Student Licenses and 1 Teacher License for One Virtual Classroom for 18 months/1.5yrs subscription and can be use with multiple schedules/sections.
<p>Terms and Conditions:</p> <ul style="list-style-type: none"> • Bidders must submit brochures/catalogues indicating the brand name of bid item/s as additional technical requirements. • Winning Bidder must conduct after sales training via online or onsite after the completion of delivery. • Winning Bidder must submit Certificate of Authorization/Exclusivity from the manufacturer/developer. • Winning Bidder must provide technical personnel – Registered Engineers and Specialized Trainers – to conduct after sales training. 	<p>TERMS AND CONDITIONS:</p> <p>WARRANTY: Warranty is within the Courseware Subscription Period with Technical Support</p> <p>Other Terms and Conditions:</p> <ul style="list-style-type: none"> • Bidder to submit brochure/catalog indicating the brand name of bid items as additional Technical Requirements. Failure to submit is a ground for disqualification. • Winning Bidder shall conduct After Sales Training via online after the completion of activation of the eLearning Courseware licenses. • Bidder shall submit Certificate of Exclusivity/Distributorship/Resellership from the developer/manufacturer of the eLearning Courseware • Bidder shall provide trainer's certification from the developer/manufacturer that their Technical Trainors/Engineers are authorize to give technical training and support of the eLearning Courseware/s. • Bidder to provide demo account for the different coursewares that will used during the post-qualification evaluation. Must attached a document that contains the demo account details as well as instruction on how to access the courseware.



From	To
Lot 2: Supply, Delivery and Installation of ICT Equipment & Facilities	
<p>One (1) Unit – Rack Server *Primary Server: 1 x Gold 6240 2.6G, 18C/36T, 10.4GT/s, 24.75M Cache, Turbo, HT (150W) DDR4-2933 6 x Memory 32GB - DDR4 RDIMM 2666 PERC H730P+ RAID Controller, 2GB NV Cache, Adapter, Low Profile 4 x 960GB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD, 1752 TBW 5 x 1.2TB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive, CK 1 x BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),LP Dual Port 10GbE BASE- T & Dual Port 1GbE BASE-T, rNDC Dual Hot-plug Power Supply (1+1), 750W,CusKit iDRAC9,Enterprise 1U Rack Server, with ReadyRails Sliding Rails With Cable Management Arm 3Yr ProSupport: NBD Support; Next Business Day Onsite Service, inclusive of installation and configuration, training on the use of the system.</p>	<p>One (1) Unit – Rack Server</p> <ul style="list-style-type: none"> • Rack Mount Server - [ASPER640_VI_VP] • Motherboard: 5220 2.2G, 18C/36T, 10.4GT/s, 24.75M Cache, Turbo, HT (125W) • DDR4-2666 • iDRAC Group Manager • Enabled iDRAC • Factory Generated Password • 3.5 Chassis with up to 4 Hard Drives • 3PCIe slots PERC/HBA11 • LCD Bezel • Riser Config 4, 2x16 LP • Shipping for 1300W below V2 • Shipping Material for 4 and 10 HDD chassis • Luggage Tag • Quick Sync 2 (At-the-box mgmt) • Blank for 1CPU Configuration • Blank for 1CPU Configuration • 3200MT/s RDIMMs • Performance Optimized • 32GB RDIMM, 3200MT/s • Dual Rank 8Gb BASE x4 • No Additional Processor • iDRAC9 Enterprise • 8TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512e 3.5in Hard Drive, FIPS SED140 SED • PERC H750 Adapter, Low Profile • Performance BIOS Settings • 5 Standard Fans • Standard 1U Heatsink • No Internal Optical Drive for x4 and x8 HDD Chassis • Dual, Hot-plug, Redundant Power Supply (1+1), 750W • Trusted Platform Module 2.0 V3 • No CE Marking, APCC, for 1300W PSU below • Jumper Cord - C13/C14, 4M, 250V, 10A (US, EU, TW, APCC countries except ANZ) • Broadcom 5720 Quad Port 1GbE BASE-T, rNDC • No Operating System • No Systems Documentation • No OpenManage DVD Kit • For SADMG Countries only - No Installation Service Required • Ex-factory Delivery • Ready Rails Sliding Rails with Cable Management Arm • Unconfigured RAID • UEFI BIOS Boot Mode with GPT Partition • Basic Next Business Day 36 Months-ACDTS



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	<ul style="list-style-type: none"> • ProSupport and Next Business Day Onsite Service-ACDTS Initial, 36 Month(s) • Mod Specs Info (SADMG) • EX-HUB from APCC Penang (DDD)
<p>One (1) Unit - Rack Server</p> <p>Processor: Gold 5120 2.2G, 14C/28T, 10.4GT/s , 19M Cache, Turbo, HT (105W) DDR4-2400/ Memory: 128GB RDIMM, 2666MT/s, Dual Rank (24 DIMM slots)/ Network Controller: Broadcom 5720 QP 1Gb Network Daughter Card Storage Controller: PERC H730P RAID Controller, 2GB NV Cache, / Warranty: 3Yr Pro Support: Next Business Day Onsite Service, inclusive of installation and configuration, training on the use of the system.</p>	<p>One (1) Unit - Rack Server</p> <ul style="list-style-type: none"> • Rack Mount Server - [ASPER640_VI_VP] [1] • Motherboard: 6240 2.6G, 18C/36T, 10.4GT/s, 24.75M Cache, Turbo, HT (150W) • DDR4-2933 • iDRAC Group Manager • Enabled iDRAC • Factory Generated Password • 2.5 Chassis with up to 10 Hard Drives and 3PCIe slots PERC/HBA11 • LCD Bezel • Riser Config 4, 2x16 LP • Shipping (APCC/Taiwan), for 1300W below, V2 • Shipping Material for 4 and 10 HDD chassis • Luggage Tag for x10 • Quick Sync 2 (At-the-box mgmt) • Blank for 1CPU Configuration • Blank for 1CPU Configuration • 3200MT/s RDIMMs • Performance Optimized • 32GB RDIMM, 3200MT/s, Dual Rank 16Gb BASE x8 • No Additional Processor • iDRAC9, Enterprise • 960GB SSD SAS ISE Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD, • 1.2TB 10K RPM SAS ISE 12Gbps 512n 2.5in Hot-plug Hard Drive • Controller card + with 2 M.2 Sticks 240G (RAID 1) • LP PERC H750 Adapter • Low Profile Performance BIOS Settings • 5 Standard Fans • Standard 1U Heatsink • No Internal Optical Drive • Dual, Hot-plug, Redundant Power Supply (1+1), 750W • Trusted Platform Module 2.0 V3 • No CE Marking, APCC, for 1300W PSU below • Jumper Cord - C13/C14, 4M, 250V, 10A (US, EU, TW, APCC countries except ANZ) • Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC • No Operating System • No Systems Documentation, No OpenManage DVD Kit • For SADMG Countries only - No Installation



From	To
	Service Required <ul style="list-style-type: none"> • Ex-factory Delivery • Ready Rails Sliding Rails With Cable Management Arm • Unconfigured RAID • UEFI BIOS Boot Mode with GPT Partition • Basic Next Business Day 36 Months-ACDTS • ProSupport and Next Business Day Onsite Service-ACDTS Initial, 36 Month(s) • Mod Specs Info (SADMG) • EX-HUB from APCC Penang (DDD)
Two (2) Units - Firewall Router Appliance <ul style="list-style-type: none"> • Processor: 7th Gen (2 core 4 threads, 2.4 GHz) • RAM: 8GB DDR4 2133 2666MHz, Support 64G memory • Storage: 256 GB SSD • Storage Interface: 1 SATA interface, 1 MSATA interface • Graphics Chip: Integrated intel HD Graphics core graphics • Display Interface: 1*VGA display output interface • Front I/O: 6 Gigabit Lan, 2 x USB2.0, 1 x CONSOLE interface • Back I/O: 1*VGA, 1*Power button, 1*Power cord interface • Expansion Connector: USB2.0, Mini PCie (PCI support) • CPU Fan: Silent Fan • Power Supply: 110V-240V 50-60Hz AC Input (Outta Power Source 12V 4A • Supportable System: Pfsense/Windows 10, Server2012/EXSI/Ikuai/WayOS/ Mikrotik/ Openwrt/Ubuntu/Centos/Lede/Linux • Working Humidity: 0%~60% (Non condensing state • Operating Temperature: 0°C~60°C • Safety Certificate: CE/CCC/FCC Class A/ ROHS • Product Size: 440*250*45(mm) 	Two (2) Units - Firewall Router Appliance <ul style="list-style-type: none"> • Processor: 7th Gen (2 core 4 threads, 2.4 GHz) • RAM: 8GB DDR4 2133 2666MHz, Support 64G memory • Storage: 256 GB SSD • Storage Interface: 1 SATA interface, 1 MSATA interface • Graphics Chip: Integrated intel HD Graphics core graphics • Display Interface: 1*VGA display output interface • Front I/O: 6 Gigabit Lan, 2 x USB2.0, 1 x CONSOLE interface • Back I/O: 1*VGA, 1*Power button, 1*Power cord interface • Expansion Connector: USB2.0, Mini PCie (PCI support) • CPU Fan: Silent Fan • Power Supply: 110V-240V 50-60Hz AC Input (Outta Power Source 12V 4A • Supportable System: Pfsense/Windows 10, Server2012/EXSI/Ikuai/WayOS/ Mikrotik/ Openwrt/Ubuntu/Centos/Lede/Linux • Working Humidity: 0%~60% (Non condensing state • Operating Temperature: 0°C~60°C • Safety Certificate: CE/CCC/FCC Class A/ ROHS • Product Size: 440*250*45(mm) • 22x GE RJ45 ports (including 2x WAN ports, 1 xDMZ port, 1 Manangement port, 2x HA ports, 16 x switch ports with 4 SFP port shared media) • 4 SFP ports, 2x 10G SFP+ Fortilinks, Dual power supplies redundancy • 1Year 24x7 FORTicare Contract - Unified Threat Protection (UTP) (IPS, Advance Malware Protection, Application Control, Web & Video Filtering, Antispam service, and 24x7 Forticare)



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<p>Two (2) Units - Laptop (High End)</p> <ul style="list-style-type: none">• Minimum of 2.6 GHz speed• Minimum of 32GB RAM• 1TB SSD• Video card 2GB• wireless mouse with mouse pad• with pack bag• with License OS and Office	<p>Two (2) Units - Laptop (High End)</p> <ul style="list-style-type: none">• Minimum of 2.6 GHz speed• Minimum of 32GB RAM• 1TB SSD• Video card 2GB• wireless mouse with mouse pad• with pack bag• with License OS and Office• Monitor Size: 15 Inches

Approved:


SHIELA G. REYES, Ph.D.
BAC Chairperson