ADDENDUM NO. 2

FOR

SUPPLY, INSTALLATION, TESTING, INTEGRATION, AND COMMISSIONING OF AUTOMATED METER READING (AMR) SYSTEM

REFERENCE NO: UETCL/SUPLS/2025-2026/00166

This is to issue Addendum No. 2 to the Bidding Document.

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This addendum amends the specifications of the Bidding Document.

Item No.	Technical Specification required including applicable standards (Previous Specifications)		Proposed/ Amended Specifications
8.1.4 Server. QTY:1			
1	Form Factor	1U rack-mount	1U rack-mount
2	Processor	Supports 1x Intel® Xeon® E-2300 Series processors (minimum 8 cores, 3.7 GHz), Maximum TDP: 95W	Supports Minimum 1 x Intel Xeon 5th Generation processors (minimum 8 cores, minimum 2 GHz)
3	Chipset	Intel® C256 chipset	Industry-standard Intel server chipset
4	Memory (RAM)	Minimum 128GB using 4x 32GB UDIMMs, DDR4 ECC UDIMMs at 3200 MHz	Minimum: 128GB using 4x 32GB UDIMMs, DDR4 ECC UDIMMs at 3200 MHz
5	Storage Options	2.5-inch drive bays: Up to 10 hot-swap SAS/SATA bays, Minimum 9.6 TB with 10 x 960GB 2.5-inch SSDs, Intermix of SAS and SATA supported	Supports hot-swap drive bays, Minimum Raw Capacity: 9.6 TB using SATA/SAS/NVMe SSDs with data protection features
6	RAID Support	Onboard 6Gb SATA with Intel® RSTe software RAID, - Supports RAID 0, 1, 10, 5, 50. 12Gb SAS/SATA RAID adapters and HBAs	Integrated Onboard RAID Support
7	Expansion Slots	Up to 3 PCIe slots,- 1x PCIe Gen4 x16 slot, - 1x PCIe Gen4 x16 slot, - One slot dedicated for internal RAID adapter	REMOVED THIS REQUIREMENT
8	Networking	3x integrated Gigabit Ethernet ports, - 1 x dedicated 1 GbE port for management	Minimum: 2 x integrated Gigabit Ethernet data ports, 1 x dedicated 1 GbE port for management
9	Management	Embedded TPM 2.0; front security bezel	Embedded TPM 2.0; front security bezel
10	Power Supply	Redundant hot-swap power supplies, 250W	Dual Redundant hot-swap power supplies
11	Dimensions	Width: 435 mm (17.1 inches),- Height: 43 mm (1.7 inches),- Depth: 545 mm (21 .5 inches)	Standard 1U, 19 Inch Rack mount form factor
12	Operating Systems	Microsoft Windows Server, VMware ESXi	Windows/Linux Server, VMware ESXi , Nutanix, RHEL
13	VMware Hypervisor	VMware vSphere ESXi (latest stable version)	X86-64 Bit Architecture Compatible hypervisor (VMware ESXi/Nutanix/RHEL)
14	VMware License	1 x VMware vSphere ESXi license (for 1 CPU socket), including 1-year Support & Subscription	X86-64 Architecture Compatible Hypervisor with minimum one year licence (VMware ESXi/Nutanix/RHEL)

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15	Virtual Machine OS	Virtual Machine OS 1 x Windows Server 2019 Standard Edition license (for 1 VM)	Virtual Machine OS: 1 x Windows/Linux Server Standard Edition license (for 1 VM)
16	Configuration	Install and configure VMware ESXi on the host. Create one virtual machine (VM) with Windows Server 2019. Assign appropriate resources (CPU, RAM, and storage)	Install and configure the proposed Hypervisor on the host. Create one virtual machine (VM) with Windows/Linux Server. Assign appropriate resources (CPU, RAM, and storage)

Note: All other content in the Bidding Document not amended by this addendum No.1 remain the same.

MANAGEMENT

Issue Date: August/2024

UETCL/P&D/HO/MGR/GR-482

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8.1.4 SERVER

Item No.	Requirement	Description (Minimum Requirement)	Bidders Offer
1	Form Factor	1U rack-mount	
2	Processor	Supports Minimum 1 x Intel Xeon 5th Generation processors (minimum 8 cores, minimum 2 GHz)	
3	Chipset	Industry-standard Intel server chipset	
4	Memory (RAM)	Minimum: 128GB using 4x 32GB UDIMMs, DDR4 ECC UDIMMs at 3200 MHz	
5	Storage Options	Supports hot-swap drive bays, Minimum Raw Capacity: 9.6 TB using SATA/SAS/NVMe SSDs with data protection features	
6	RAID Support	Integrated Onboard RAID Support	
7	Networking	Minimum: 2 x integrated Gigabit Ethernet data ports, 1 x dedicated 1 GbE port for management	
8	Management	Embedded TPM 2.0; front security bezel	
9	Power Supply	Dual Redundant hot-swap power supplies	
10	Dimensions	Standard 1U, 19 Inch Rack mount form factor	
11	Operating Systems	Windows/Linux Server, VMware ESXi, Nutanix, RHEL	
12	Virtualization Hypervisor	X86-64 Bit Architecture Compatible hypervisor (Nutanix, RHEL, or VMware)	
13	Virtualization License	X86-64 Architecture Compatible Hypervisor with minimum one year licence	
14	Virtual Machine OS	Virtual Machine OS: 1 x Windows/Linux Server Standard Edition license (for 1 VM)	
15	Configuration	Install and configure the proposed Hypervisor on the host. Create one virtual machine (VM) with Windows/Linux Server. Assign appropriate resources (CPU, RAM, and storage)	