

**SPECIFICAȚII TEHNICE (F4.1)**

Numărul licitației: ocds-b3wdp1-MD-1552381262905							21.03.2019
Denumirea licitației: Server SIA „Soft Contabil” + UPS							
Codul CPV	Denumirea bunurilor și/sau a serviciilor	Modelul articolului	Tara de origine	Producătorul	Specificarea tehnică deplină solicitată	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
<b>1</b>							
<b>Server</b>							
48820000-2	Servere	CTO configuration	CZ	HPE	Conform Specificații tehnice servere	<p><b>HPE ProLiant DL380 Gen10 Server</b></p> <p>Chassis: 19"Rack mount 2U; 16x SFF Storage Bays with NVMe PCIe SDD support</p> <p>Processor: 2x Intel Xeon-Gold 6140 (18 cores; 24,75MB cache, 140W)</p> <p>Memory: 8x HPE 32GB Smart Memory (1x32GB) Dual Rank x4 DDR4-2666 CAS-19-19-19 Registered; 12x DIMM slots per processor; Online spare with Advanced ECC support; Mirrored memory with advanced ECC support; Memory scrubbing supported; Memory thermal control functionality supported; Isolation of Filed DIMMs; DIMM address/control bus parity protection supported; Supporting NVDIMM/LRDIMM/RDIMM</p> <p>Power Supply: 2x HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply (N+1 Redundancy)</p> <p>Storage Controller: flexible/modular controller without occupying a PCIe expansion slot; 16x SAS lanes across 4 x4 internal Mini-SAS ports; 12Gb/s SAS, 6Gb/s SATA technology; Mix-and-match SAS and SATA drives to the same controller; RAID 0, 1, 5, 6, 10, 50, 60, 1 ADM, 10 ADM; RAID logic drives and HBA physical drives simultaneously; 4 GB Flash-Backed Write Cache; Read ahead caching and Write-back caching; Up to 238 physical drives and up to 64 logical drives; Windows Storage Spaces Direct validated; VMware Virtual SAN certified; Legacy and UEFI boot operation; HPE Smart Array SR SmartCache; HPE Smart Array SR Secure Encryption (optional license); HPE SSD Smart Path; Rapid Parity Initialization; Rapid rebuild; Drive Sanitize; Performance Optimization-Degraded Reads and Read Coalescing; Power efficiency; Logical Drive Configuration Features (Extend Logical Drive, Instant Secure Erase, Migrate RAID/Stripe Size, Modifying Cache Write Policy, Move Logical Drive, Re-enable Failed Logical Drive); Fault Prevention/Recovery</p> <p>Storage: 5x HPE 400GB MU SFF SSD; 2x HPE 1.92TB RI SFF SSD</p> <p>Optical Drive: HPE 9.5mm SATA DVD-RW Optical Drive</p> <p>Fans: 6x standard Hot-plug fans (N+1 redundancy)</p> <p>Slots: 4x PCIe x8; 2x PCIe x16; the HPE PL DL 380G10 support flexible/modular expansion slots</p> <p>Network controller: 8x Gigabit Ethernet ports (HPE Ethernet 1Gb 4-port 366FLR Adapter + Embedded 4 x 1GbE Network Adapter)</p> <p>HBA: 2x HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel HBA</p> <p>Ports: HPE iLO Remote port; DP; VGA; 5x USB 3.0; 2x USB 2.0; MicroSD slot; iLO Front Service Port</p> <p>Diagnostic Panel: UID button; Health LED; NIC status;</p> <p>Rack mounting rails: HPE 2U Small Form Factor Easy Install Rail Kit</p> <p>Operating Systems Supported: MS Windows Server 2008 R2, 2012 R2 x86 (64-bit), Microsoft Hyper-V server 2012 R2, Microsoft Hyper-V Server 2016, SUSE Linux Enterprise Server x86 (64-bit)</p> <p>Security: UEFI Secure Boot and Secure Start support; FIPS 140-2 validation; Smart card (PIV/CAC) and Kerberos based 2-factor Authentication; TPM 2.0; Chassis Intrusion detection; Ability to rollback firmware; Immutable Silicon Root of Trust; Common Criteria certification; Support for CNSA; Configurable for PCI DSS compliance; Granular control over management interfaces; Secure erase of NAND/User data; Secure Recovery (recover critical firmware to known good state on detection of compromised firmware)</p> <p>SW-Support: The latest software, drivers, and firmware fully optimized and tested for the server and options, will be able to download from websites without any costs</p> <p>Server UEFI/Legacy ROM: UEFI: USB 3.0 Stack; Secure Boot and Secure Start enable for enhanced security; Embedded UEFI Shell; Support for &gt; 2.2 TB (using GPT) boot drives; Workload Profiles; PXE boot support for IPv6 networks; UEFI Boot Mode only: TPM 2.0 Support; iSCSI Software Initiator Support; HTTP/HTTPS Boot support as a PXE alternative; NVMe Boot Support; PTT support</p> <p>Supported standards: Secure Digital 2.0; AES; 3DES; ACPI 6.1 Compliant; PXE Support; PCIe 3.0 Compliant; SMBIOS 3.1; SNMP v3; UEFI 2.6; Redfish API; DMTF SMASH CLP; IPMI 2.0; TLS 1.2; Active Directory v1.0; ASHRAE A3/A4</p>	

						<p>Server management: The technology for remote monitoring and control implemented at the hardware level on the basis of a specialized chip and control through a standard web browser; The monitoring and control provide the following functionality (The ability to record a remote session to the server; The ability to share server console over IP for 6 users; Be able to mount a "virtual folder" to the server from the administrator's workstation); Supporting the following features for management, monitoring, OS installing and remote support (Cloud-based access to a personalized dashboard with Service and support tracking Warranty and contract management; Rapid phone-home support setup and configuration; Deploy and update without the need for CD/DVD or downloads; Base hardware health monitoring and alerting without operating system agents; Performs various in-depth system and component testing while the operating system is not running; Possibility to manage and diagnostic of Disk Enclosures and installed HDDs/SSDs to the Disk Enclosure by RAID controller; Online and Offline of updating drivers and server firmware); Support for integrating the server management system with centralized convergent management software for all servers, storage systems and network equipment available in the IT infrastructure and using software-defined templates</p> <p>Special Options: support automatically selects the best settings of the internal components of the server in accordance with the specific requirements of the working task; support technology for equalizes and compensates for frequency fluctuations in Turbo Boost mode, reducing the delay time and making performance indicators more specific and predictable; support up to 5x HPE Intel Arria 10 GX FPGA Accelerator and Enterprise Mainstream Flash Media Card up to 32GB</p> <p>Warranty: Full warranty 5 Years NBD</p>
--	--	--	--	--	--	---

<b>2</b>						<b>UPS</b>					
30200000-1	UPS	CTO configuration	CZ	HPE	Conform Specificatii tehnice servere	<p><b>HPE R1500 G5 UPS</b></p> <p>Form-Factor: 1U Rack-Mount</p> <p>Outlets: Two load segments; 6x sockets (IEC C13 outlet Type, 3x programmable sockets and 3x for mission-critical systems)</p> <p>Management: Network Module for remotely monitoring and rebooting network devices; SNMP functionality (power event alerts; network power diagnostics; remote UPS reboot and testing); support possibility to add the UPS to SNMP capable Network Management Software with servers.</p> <p>Operating Voltage Settings: 220, 230, 240</p> <p>Power Out: 1100 Watts</p> <p>Input Voltage Range: ± 20% of nominal voltage</p> <p>Wave Form: Shine Wave</p> <p>Online Efficiency: 92%</p> <p>Batteries Runtime: 5 minutes with full load; 12 min with half load</p> <p>Interfaces: USB port; Serial Port; Remote Power Off control module</p> <p>Recharge Time: &lt;3 hours to 90% usable capacity; &lt;24 hours for complete recharge</p> <p>Audible Noise: &lt;40db (at 1m from surface of unit); &lt;45dBA on battery operation</p> <p>Warranty: Full warranty 3 Years NBD</p>					

Semnat:



Numele, prenumele: Igor Iasko, Director General

Ofertantul: **Fors-Computer SRL**

Adresa: mun. Chisinau, str. Sfatul Tsarii, 18

