Specificaţii tehnice

[Acest tabel va fi completat de către ofertant în coloanele 2, 3, 4, 6, 7, iar de către autoritatea contractantă – în coloanele 1, 5,]

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1753881961729 din 30 iulie 2025

Obiectul achiziției: Centru informaţional de date

Denumirea bunurilor/serviciilor	Denumirea modelului bunului/serviciului	Ţara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referinţă
1	2	3	4	5	6	7
COMPARTIMENTUL SERVERE						
Infrastructura Servere	H3C UniServer R4900 G7	China	New H3C Technologies Co., Ltd.	Infrastructură computing: 3 x Computing Servers with following configuration: 2 x CPU min. 2.3GHz, min. 32Cores, min. 144MB cache, DDR5 RAM 512GB DDR5-6400 RDIMM. min. 32 slots. Raid Controller with Raid 0, Raid 1 support. Boot disks min. 2 x 480GB SSD, used for hypervisor.	Infrastructură computing: 3 x Computing Servers with following configuration: 2 x CPU 2.3GHz, 32Cores, 144MB cache, DDR5 RAM 512GB DDR5-6400 RDIMM. 32 slots. Raid Controller with Raid 0, Raid 1 support. Boot disks 2 x 480GB SSD, used for hypervisor.	

					Network card: 4 x 25Gb Intelligent Ethernet, RoCEv2 and NVMe/TCP support, with possibility to divide in logical ports. Security: TPM Module 2.0 included. Fans: Redundant fans. Power Supply, Redundancy: 6 x min. 2600W, Titanium Efficiency, hot swap, N+1. Power cords included. Network interconnect: Redundant network connectivity module, with min. 16 x 100Gb Ethernet ports, dedicated management ports, console. Management: Remote KVM for each server, centralized management for all servers from a single dashboard, updates (including firmware) policies, security policies, operation automation and orchestration, integration with 3rd party host OS and monitoring systems. Scalability: future computing node updates without additional cost for network components, PSU, FANs. Architecture: All components must be compatible, validated as an architecture with full interoperability. Warranty: 3 years for software updates, hardware replacement on-site. Equipment must be registered at vendor support portal and attached to company profile for at least future access to support renewals, updates, notification, recommendations.	Network card: 4 x 25Gb Intelligent Ethernet, RoCEv2 and NVMe/TCP support, with possibility to divide in logical ports. Security: TPM Module 2.0 included. Fans: Redundant fans. Power Supply, Redundancy: 6 x 2600W, Titanium Efficiency, hot swap, N+1. Power cords included. Network interconnect: Redundant network connectivity module, with 16 x 100Gb Ethernet ports, dedicated management ports, console. Management: Remote KVM for each server, centralized management for all servers from a single dashboard, updates (including firmware) policies, security policies, operation automation and orchestration, integration with 3rd party host OS and monitoring systems. Scalability: future computing node updates without additional cost for network components, PSU, FANs. Architecture: All components must be compatible, validated as an architecture with full interoperability. Warranty: 3 years for software updates, hardware replacement on-site. Equipment registered at vendor support portal and attached to company profile for at least future access to support renewals, updates, notification, recommendations.	

| Sistem de stocare All Flash | OceanStor Dorado 5000/6000 V6 All-Flash Storage Systems | China | Huawei | All Flash Storage System, NVMe. Dual controller, with high availability and automatic failover. Chassis, 2U rackmount: dual controller and min. 24 x NVMe disk slots. Architecture: scalable and resilient architecture, clustered controllers with non-disruptive failover in case of failure or component updates. System must be scalable with more than 4 nodes. Disk included: min. 24 x 3.8TB NVMe disks, hot swap. Host ports per system: min. 6 x 10/25Gb Ethernet with support of NVMe/TCP, RDMA ; 8 x 32Gb FC. Storage protocols included: Block (at least iSCSI, FCP) and NAS (SMB, NFSv4). Storage features included: storage space efficiency mechanisms (data deduplication and compression), thin provisioning, LUN/Volume resize, LUN/Volume clone, LUN/Volume QoS, redirect on write snapshots and clones, replication (synchronous and asynchronous), antiransomware protection, MFA, multitenancy. All features must be covered with licenses. Redundancy: dual controller, redundant fans, power supply, management. Management and monitoring: Monitoring and management solution included for day one operation and activity, providing at least: performance indicators (latency, IOPS, throughput) for storage node, disks, cache, host ports, volumes/shares, headroom information, predictive information for | All Flash Storage System, NVMe. Dual controller, with high availability and automatic failover. Chassis, 2U rackmount: dual controller and 24 x NVMe disk slots. Architecture: scalable and resilient architecture, clustered controllers with non-disruptive failover in case of failure or component updates. System is scalable with more than 4 nodes. Disk included: 24 x 3.8TB NVMe disks, hot swap. Host ports per system: 6 x 10/25Gb Ethernet with support of NVMe/TCP, RDMA ; 8 x 32Gb FC. Storage protocols included: Block (at least iSCSI, FCP) and NAS (SMB, NFSv4). Storage features included: storage space efficiency mechanisms (data deduplication and compression), thin provisioning, LUN/Volume resize, LUN/Volume clone, LUN/Volume QoS, redirect on write snapshots and clones, replication (synchronous and asynchronous), antiransomware protection, MFA, multitenancy. All features are covered with licenses. Redundancy: dual controller, redundant fans, power supply, management. | |

				performance and space grow, recommendations for system optimization or best proactive validation, alerts, proactive actions. Warranty: 3 years for software updates, hardware replacement on-site. Equipment must be registered at the vendor support portal and attached to the company profile for at least future access to support renewals, updates, notification, recommendations. ProActive support 24/7, up to 30-minute call to repair.	Management and monitoring: Monitoring and management solution included for day one operation and activity, providing at least: performance indicators (latency, IOPS, throughput) for storage node, disks, cache, host ports, volumes/shares, headroom information, predictive information for performance and space grow, recommendations for system optimization or best proactive validation, alerts, proactive actions. Warranty: 3 years for software updates, hardware replacement on-site. Equipment registered at the vendor support portal and attached to the company profile for at least future access to support renewals, updates, notification, recommendations. ProActive support 24/7, up to 30-minute call to repair.	
COMPARTIMENTUL REȚEA ȘI CONECTIVITATE					
Switch rețea	Huawei CloudEngine 8865-4C Data Center Modular Switch	China	Huawei	Data Center network switches Chassis: rackmount chassis 19" with included rackmount kit. Architecture: redundant, non-blocking ports, low latency performance with L2 and advanced L3 routing protocols included. Ports: total of 72x10/25Gbps SFP28 ports, with possibility of using aggregated min. 4x40/100Gbps QSFP ports. Included SFP: min. 24x10Gb SFP+ SR modules, min. 8x25Gb SFP SR modules Performance: min. 3.4Tbps, converged and lossless ethernet	Data Center network switches Chassis: rackmount chassis 19" with included rackmount kit. Architecture: redundant, non-blocking ports, low latency performance with L2 and advanced L3 routing protocols included. Ports: total of 72x10/25Gbps SFP28 ports, with possibility of using aggregated 4x40/100Gbps QSFP ports. Included SFP: 24x10Gb SFP+ SR modules, 8x25Gb SFP SR modules	

				Included features: IEEE 802.1Qbb (Priority Flow Control);IEEE 802.1Qaz (Enhanced Transmission Selection); DCBX (Data Center Bridging Exchange Protocol); Routing included (BGP, OSPF, IS-IS) overlay included (VXLAN EVPN) VLAN tagg. (802.1Q),LACP; Trunking; STP, RSTP; Link Aggregation, vPC or equivalent; MACSec (AES-256) included; QoS. Management: dedicated console port, 1x100/1000Base-T out-of-band Redundancy: (1+1) hot swappable PSU, FANs (N+1). Warranty: 3 years for software updates, hardware replacement on-site. Equipment must be registered at vendor support portal and attached to company profile for at least future access to support renewals, updates, notification, recommendations., certificat CE/ISO	Performance: 3.4Tbps, converged and lossless ethernet Included features: IEEE 802.1Qbb (Priority Flow Control);IEEE 802.1Qaz (Enhanced Transmission Selection); DCBX (Data Center Bridging Exchange Protocol); Routing included (BGP, OSPF, IS-IS) overlay included (VXLAN EVPN) VLAN tagg. (802.1Q),LACP; Trunking; STP, RSTP; Link Aggregation, vPC or equivalent; MACSec (AES-256) included; QoS. Management: dedicated console port, 1x100/1000Base-T out-of-band Redundancy: (1+1) hot swappable PSU, FANs (N+1). Warranty: 3 years for software updates, hardware replacement on-site. Equipment registered at vendor support portal and attached to company profile for at least future access to support renewals, updates, notification, recommendations., certificat CE/ISO	
COMPARTIMENTUL INFRASTRUCTURĂ ȘI MATERIALE AUXILIARE						
UPS tip tower, 10 kW	Liebert ITA2 10kVA, Vertiv	SUA	Vertiv Holdings Co.	Modular UPS Characteristics: online, min. 10kVA 3-phase, double conversion eff. min. 96%. Autonomy: min. 11 minutes at 8KW load. Battery modules: min. 2 x 16x9Ah VRLA long life. Management: SNMP/Web. Formfactor: rackmount, up to 12U	Modular UPS Characteristics: online, 10kVA 3-phase, double conversion eff. 96%. Autonomy: 11 minutes at 8KW load. Battery modules:. 2 x 16x9Ah VRLA long life. Management: SNMP/Web.	

				Warranty: 2 years, on-site with next business day parts replacement from local ZIP stock.	Formfactor: rackmount, up to 12U Warranty: 2 years, on-site with next business day parts replacement from local ZIP stock.
Rack server 42U	SR42UB	SUA	Eaton Corporation	Rack server 42U, 19", min. 800x1000mm, perforated door, grounding kit, wheels, cable organizer, EN 61587-1/CE	Rack server 42U, 19", 800x1000mm, perforated door, grounding kit, wheels, cable organizer, EN 61587-1/CE
Filtru de alimentare pentru rack	Filtru de alimentare pentru rack	SUA	Eaton Corporation	Power distribution unit Type: Rack PDU, Monitored on LAN, 0U space. Characteristics: 16A, 220V/380V with 3m x IEC60309, sockets min. 30xC13, additional 6 x C19. Warranty: 2 years.	Power distribution unit Type: Rack PDU, Monitored on LAN, 0U space. Characteristics: 16A, 220V/380V with 3m x IEC60309, sockets 30xC13, additional 6 x C19. Warranty: 2 years.
Organizator de cabluri pentru rack	EVMIF316X	SUA	Eaton Corporation	Organizator cabluri frontal/vertical, compatibil rack 19", min. 12 treceri, CE/ISO	Organizator cabluri frontal/vertical, compatibil rack 19", 12 treceri, CE/ISO
COMPARTIMENTUL LUCRĂRI ȘI SERVICII ASOCIATE					
Lucrări de instalare și configurare echipamente	Lucrări de instalare și configurare echipamente	Moldova	SC Rapid Link SRL	Instalare fizică a serverelor, rețelei, storajului, montare în rack, conectare cabluri, testare, validare funcțională, configurare IP și management, etichetare, standard EN/ISO	Instalare fizică a serverelor, rețelei, storajului, montare în rack, conectare cabluri, testare, validare funcțională, configurare IP și management, etichetare, standard EN/ISO
Instruire personal IT	Instruire personal IT	Moldova	SC Rapid Link SRL	Instruire tehnică pentru personal IT privind administrarea, monitorizarea și mentenanța platformei, certificat de participare, EN/ISO	Instruire tehnică pentru personal IT privind administrarea, monitorizarea și mentenanța platformei, certificat de participare, EN/ISO
Suport tehnic post-implementare	Suport tehnic post-implementare	Moldova	SC Rapid Link SRL	Suport la distanță/telefonic pentru întrebări, troubleshooting, consultanță timp de 12 luni după livrare, inclus în garanție, EN/ISO	Suport la distanță/telefonic pentru întrebări, troubleshooting,

					consultanță timp de 12 luni după livrare, inclus în garanție, EN/ISO	

Semnat:_____ Numele, Prenumele:_Baciu Victor_ În calitate de: _Administrator_

Ofertantul: _SC Rapid Link SRL_ Adresa: _str. Gh. Asachi 71/7, Chisinau, Moldova_

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