Numărul procedurii de achiziție	ocds-b3wdp1-MD-1571207042432 din data: „ 21" Octombrie, 2019
Cererea ofertelor de prețuri:	*Achiziționarea infrastructurii active de rețea și componente (comutatoare LAN) - repetat*

	Cod CPV	Denumirea serviciilor	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referinţă
	1	2	3	4	5
Lotul 1: Comutator de retea cu 48 porturi					
1.1	32424 000-1	Comutator de retea cu 48 porturi, cu PoE si 4 conexiuni 10G, inclusiv 4 module transceiver de 10G	*Tip:* Switch 48 ports, 48 GigE PoE and 4 x SFP+ 1/10GbE ports *Cerinţe generale:* Bunul oferit în cadrul achiziţiei trebuie să fie nou, calitativ, produs de serie brand (BRAND NAME), cu provenienţă de la producători renumiți, bine cunoscuţi internaţional în domeniul TI. În cazul existenţei certificatelor de compatibilitate şi atestare a calităţii, o copie sau referinţa Internet trebuie să fie inclusă în ofertă. *Caracteristics:* • *48 Gigabit Ethernet ports* • *4 x Gigabit Small Form-Factor Pluggable 1/10Gbe SFP+ uplinks* • *Support unified wired and wireless policies full compatible with Aruba ClearPass Policy Manager used by NBM* • *Switch auto-configuration automatically configures switch for different settings such as VLAN, CoS, PoE max. power, and PoE priority when an Aruba access point is detected* • *Power over Ethernet Plus (PoE+) support*	Compleanta totala cu cerintele tehnice conform anuntului de participare. Este propus: <table><tr><td>Cant.</td><td>P/n</td><td>Product Description</td></tr><tr><td>2</td><td>JL357A</td><td>Aruba 2540 48G PoE+ 4SFP+ Switch</td></tr><tr><td>2</td><td>JL357A B2C</td><td>Aruba 2540 48G PoE+ 4SFP+ Switch PDU ROW</td></tr><tr><td>8</td><td>QK732A</td><td>HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable</td></tr><tr><td>8</td><td>J9150D</td><td>Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver</td></tr></table> Toate cerinţe sunt respectate.	N/a

			• *Power over Ethernet (PoE) support for 48 ports of IEEE 802.3af, Class 2 devices with min 370W of PoE budget* • *DHCP server centralizes and reduces the cost of IPv4 address management* • *Antispoofing protection: DHCP protection, Dynamic ARP protection, Dynamic IP lockdown* • *USB and Ethernet management interfaces for simplified operations* • *Enhanced Quality of Service* • *Autonegotiation on all ports automatically selects half- or full-duplex transmission mode to optimize bandwidth* • *Trunking facilitates to increase bandwidth and create redundant connections across all switch ports* • *Link Aggregation Control Protocol (LACP)* • *Automatic media-dependent interface crossover (MDIX)* • *Voice VLAN simplifies telephony installations by keeping voice traffic on a separate VLAN for easier administration and troubleshooting* • *Facility that propagates the definition of Virtual Local Area Networks (VLAN) on the whole local area network* • *Port mirroring facility - allows traffic to be mirrored on any port or a network analyzer to assist with diagnostics or detecting network attacks* • *Switching capacity 170 Gbps* • *Comprehensive 802.1X Features to control access to the network, including Flexible Authentication, 802.1x Monitor Mode, and RADIUS Change of Authorization* • *Threat Defense features including Port Security, Dynamic ARP Inspection, and IP Source Guard* • *Multiple IEEE 802.1X users per port authentication allows an IP phone and a PC to authenticate on the same switch port while placing them on appropriate voice and data VLAN.Access Control Lists for IPv6 and IPv4 for security and QoS ACEs* • *Switched Port Analyzer (SPAN), with bidirectional data support*	Specificația detaliata poate fi găsita https://h20195.www2.hpe.com/v2/GetPDF.aspx/c05278966.pdf	

| | | | • *TACACS+ and RADIUS authentication facilitates centralized control of the switch and restricts unauthorized users from altering the configuration*
• *MAC Address Notification allows administrators to be notified of users added to or removed from the network*
• *Multilevel security on console access prevents unauthorized users from altering the switch configuration*
• *Bridge protocol data unit (BPDU) Guard shuts down Spanning Tree Port Fast-enabled interfaces when BPDUs are received to avoid accidental topology loops*
• *Spanning Tree Root Guard (STRG) prevents edge devices not in the network administrator's control from becoming Spanning Tree Protocol root nodes*
• *Spanning Tree Portfast*
• *IGMP filtering provides multicast authentication by filtering out nonsubscribers and limits the number of concurrent multicast streams available per port*
• *Operating Temperature: 0°C to 40° C*
Cable: AC 2- 3 m Power Cord with european plug.

Optical Patch Cords: 4(four) x LC-LC, 1m, OM4 Multimode Optical Patch cord

Rack mount kit: Included

Power Efficiency: IEEE 802.3az Energy Efficient Ethernet standard compliant

Optical Transceivers per unit:

• *2 (Two) x 10G SFP+ LC SR Transceivers for the device described above, eligible for device vendor warranty and support agreement.*
• *2 (Two) x 10G SFP+ LC SR Transceivers for HPE Aruba 5412R zl2 Switch currently used by NBM, eligible for device vendor warranty and support agreement.* | | |

			Garanție, deservire, suport și actualizări: 5 ani de tip "Next Business Day (diagnosticarea problemelor la distanță și suport de la producător, înlocuirea pieselor de schimb și materiale, suport hardware la Cumpărător, actualizare Firmware)".		
1.2	32424 000-1	Comutator de retea cu 48 porturi, cu PoE si 4 conexiuni 10G	*Tip: Switch 48 ports 48 GigE PoE and 4 x 10G SFP+* *Cerințe generale: Bunul oferit în cadrul achiziției trebuie să fie nou, calitativ, produs de serie brand (BRAND NAME), cu proveniență de la producătorii renumiți, bine cunoscuți internațional în domeniul TI. În cazul existenței certificatelor de compatibilitate și atestare a calității, o copie sau referința Internet trebuie să fie inclusă în ofertă.* *Caracteristics:* • *48 Gigabit Ethernet ports* • *4 x Gigabit Small Form-Factor Pluggable 1/10Gbe SFP+ uplinks* • *Support unified wired and wireless policies full compatible with Aruba ClearPass Policy Manager used by NBM* • *Switch auto-configuration automatically configures switch for different settings such as VLAN, CoS, PoE max. power, and PoE priority when an Aruba access point is detected* • *Power over Ethernet Plus (PoE+) support* • *Power over Ethernet (PoE) support for 48 ports of IEEE 802.3af, Class 2 devices with min 370W of PoE budget* • *DHCP server centralizes and reduces the cost of IPv4 address management* • *Antispoofing protection: DHCP protection, Dynamic ARP protection, Dynamic IP lockdown* • *USB and Ethernet management interfaces for simplified operations* • *Enhanced Quality of Service* • *Autonegotiation on all ports automatically selects half- or full-duplex transmission mode to optimize bandwidth*	Compleanta totala cu cerintele tehnice conform anuntului de participare. Este propus: | Cant.	P/n	Product Description
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4	QK732A	HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	 Toate cerințe sunt respectate. Specificația detaliata poate fi găsita https://h20195.www2.hpe.com/v2/GetPDF.aspx/c05278966.pdf	N/a

			• *Trunking facilitates to increase bandwidth and create redundant connections across all switch ports* • *Link Aggregation Control Protocol (LACP)* • *Automatic media-dependent interface crossover (MDIX)* • *Voice VLAN simplifies telephony installations by keeping voice traffic on a separate VLAN for easier administration and troubleshooting* • *Facility that propagates the definition of Virtual Local Area Networks (VLAN) on the whole local area network* • *Port mirroring facility - allows traffic to be mirrored on any port or a network analyzer to assist with diagnostics or detecting network attacks* • *Switching capacity 170 Gbps* • *Comprehensive 802.1X Features to control access to the network, including Flexible Authentication, 802.1x Monitor Mode, and RADIUS Change of Authorization* • *Threat Defense features including Port Security, Dynamic ARP Inspection, and IP Source Guard* • *Multiple IEEE 802.1X users per port authentication allows an IP phone and a PC to authenticate on the same switch port while placing them on appropriate voice and data VLAN.Access Control Lists for IPv6 and IPv4 for security and QoS ACEs* • *Switched Port Analyzer (SPAN), with bidirectional data support* • *TACACS+ and RADIUS authentication facilitates centralized control of the switch and restricts unauthorized users from altering the configuration* • *MAC Address Notification allows administrators to be notified of users added to or removed from the network* • *Multilevel security on console access prevents unauthorized users from altering the switch configuration* • *Bridge protocol data unit (BPDU) Guard shuts down Spanning Tree Port Fast-enabled interfaces when BPDUs are received to avoid accidental topology loops*		

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<u>*Rack mount kit:*</u> *Included*

<u>*Power Efficiency:*</u> *IEEE 802.3az Energy Efficient Ethernet standard compliant*

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</table>

Semnat:_____ Numele, Prenumele: Andrei Cojocari În calitate de: Director Vânzări și Dezvoltare Business

Ofertantul: BASS Systems S.R.L.; Adresa: Calea Ieșilor 8, Chișinău, Moldova, MD2069