

Lot 1		
Denumirea	Cantitatea	Parametrii tehnici MINIMI
“Core switch” redundant	1	<p>This switch will be used as pair of existing Cisco Catalyst 4500E with Supervisor SUP7L-E on-board. Should be fully compatible by ALL features and port quantity with core switch Cisco Catalyst 4500E and Supervisor SUP7L-E.</p> <ul style="list-style-type: none"> - Wirespeed L2 switching and L3 routing - Switching capacity – 520Gbps - Throughput – 225Mpps for IPv4, 110 Mpps for IPv6, 225Mpps for L2 switching - Routing table – 64000 routes for IPv4, 32000 for IPv6, 32000 for multicast - Clustering, redundancy and aggregation support – VSS technology - Upgrade of software without services downtime - Min 7 slots: 2 for supervisors, 5 for linecards - At least two redundant supervisor engines included, failover switching time – up to 200ms - 2 x 1/10Gbps SFP+ or 4 x 1Gbps SFP ports on each supervisor on-board - Linecard slot speed – up to 48Gbps - 2pcs x 24 x 1Gbps SFP ports on linecards included - 1pcs x 48 x 10/100/1000 Mbps RJ-45 ports on linecards included - Non-blocking, non-oversubscribing architecture - 802.1AE, TrustSec support in hardware - 19” rack mount - Two redundant power supplies – AC220 V, 1300W - Active fan cooling - Catalyst 4500E IP Base to Enterprise Services software upgrade license - Official warranty and support services from vendor – min. 1 year
Extinderea licenței pentru “core switch” existent	1	<ul style="list-style-type: none"> - Catalyst 4500E IP Base to Enterprise Services software upgrade license
Modul de extensie pentru “core switch” existent	1	<ul style="list-style-type: none"> - 48 RJ-45 ports 10/100/1000 Mbps <ul style="list-style-type: none"> o Non-blocking, non-oversubscribing architecture o Compatibility with Cisco 4500E switches and Supervisor SUP7-E/SUP7E-L o 802.1AE, TrustSec support in hardware o Jumbo Frame support (up to 9216 bytes) o Official warranty and support services from vendor – min. 1 year
Comutatoare aditionale “Access switch” cu alimentare PoE	6	<ul style="list-style-type: none"> - Bandwidth capacity with 64-byte packets – 130 Mpps - Switching capacity – 176 Gbps - MAC table – 64000 addresses - 10/100/1000 RJ-45 ports – 48 pcs - 1/10Gbps RJ-45/SFP/SFP+ combo ports – 2 pcs - 1/10Gbps SFP/SFP+ ports – 2 pcs - Power over Ethernet ports – 48 pcs - Power over Ethernet 802.3at/af, power budget – 380W

		<ul style="list-style-type: none"> - LLDP, Voice VLAN - 802.1q VLANs – 4096 - IGMP snooping v1,2,3 - DHCP snooping - 802.3ad LACP – 8 groups, up to 8 ports in group - Spanning tree - 802.1d STP, 802.1w RSTP, 802.1s MSTP 16 instances - L3 routing – wirespeed routing, 8000 IPv4 routes, 256 IPv4 interfaces, 4000 IPv6 routes, 200 IPv6 interfaces, VRRP - Stacking support – up to 4 units - 802.1X support - IP/MAC/port binding, dynamic ARP inspection, storm control, up to 2000 L2/L3/L4 ACLs - QoS – hardware based, ToS, DSCP, 802.1p VLAN, port based, 8 hardware queues - Management – WEB HTTPS, SSH CLI, SNMP, TFTP, SCP - RADIUS, TACACS+, port mirroring, RSPAN - 19” rack mount - Power supply 220V AC – 1 pc - Official warranty and support services from vendor – min. 1 year
Lot 2		
Modul optic activ pt. echipamentul de retea existent	4	<ul style="list-style-type: none"> - Optical transceiver SFP+ 10Gbps, single mode, dual fiber, up to 10km, LC connector - Warranty – min. 1 year
	120	<ul style="list-style-type: none"> - Optical transceiver SFP 1Gbps, single mode, WDM 1310/1550 nm, single fiber, up to 10 km, LC or SC connector - Warranty – min. 1 year

Evaluarea ofertelor se va face pe LOTURI.

Cerinte fata de candidati:

- Termenul de livrare nu trebuie sa depaseasca 30 zile calendaristice dupa semnarea contractului
- Autorizare de la producator pentru a vinde, a deservi si a oferi garantie oficiala (pentru Lot 1)