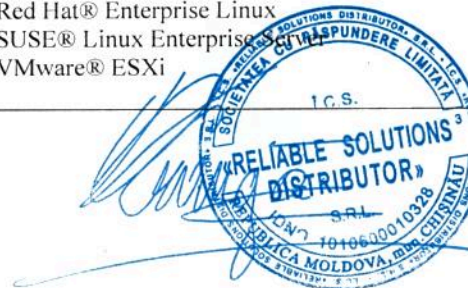




**Matricea de conformitate conform cerințelor solicitate conform caiet de sarcini pentru
" Echipament și accesorii pentru computer**

Cod CPV	Denumirea bunurilor solicitate	Specificarea tehnică deplină solicitată, Standarde de referință	Specificarea tehnică ofertata deplină solicitată, Standarde de referință
Lotul 1. Servere			
30000 000-9	Server Xeon Gold	<p>Type Enterprise Server</p> <p>Processor Unit :2 x Intel Xeon Gold 5220</p> <p>Form factor: Rack (1U)</p> <p>RAM: 12 x 32 GB DDR4, registered, ECC, 2,933 MT/s, PC4-2933</p> <p>Storage: Dual microSD 64GB Enterprise (for Hypervisor) 4 x HDD SAS 4 TB HOT PL</p> <p>LAN: Production LAN Card 4 x 1 Gbps Base-T ports Storage Traffic Card 2 x 10 Gbps Base-T ports</p> <p>Fans: 8 redundant and hot-plug fans</p> <p>PSU: 450W hot-plug (platinum efficiency)</p> <p>Slots: 1 x PCI-Express 3.0 x8 3 x PCI-Express 3.0 x16</p> <p>Interfaces: 5 x USB 3.0 (2x front, 2x rear, 1x internal) 1 x VGA, 1 x Management LAN (Base-T)</p> <p>OS Support: *Windows Server 2016/2019 (Datacenter,Standard,Essentials) *VMware vSphere 6.5/6.7 *Red Hat® Enterprise Linux 7/8</p>	<p>Produsul oferat: Dell PowerEdge R640 Server</p> <p>2x Intel Xeon Gold 5220 2.2G, 18C/36T, 10.4GT/s, 24.75M Cache, Turbo, HT (125W) DDR4-2666</p> <p>Rack (1U)</p> <p>12x 32GB RDIMM, 3200MT/s, Dual Rank</p> <p>2x 64GB microSDHC/SDXC Card 3.5 Chassis with up to 4 Hard Drives and 3PCIe slots 4x 4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive</p> <p>4 x 1GbE 2 x 10GbE + 2 x 1GbE 4 x 10GbE 2 x 25GbE</p> <p>Up to 8 hot plugs fans with full redundancy</p> <p>Dual, Hot-plug, Redundant Power Supply (1+1), 750W</p> <p>PCIe: 3 x Gen3 slots all x16</p> <p>Front Ports: 1 x Dedicated iDRAC direct USB 1 x USB 2.0 1 x USB 3.0 (optional) 1 x Video</p> <p>Rear Ports: 1 x Dedicated iDRAC network port 1 x Serial 2 x USB 3.0 1 x Video</p> <p>Windows Server Red Hat® Enterprise Linux SUSE® Linux Enterprise VMware® ESXi</p>





		<p>System Management: Integrated Remote Management Controller IPMI 2.0 compatible</p> <p>Warranty: 3 Years</p>	<p>iDRAC9, iDRAC Direct, iDRAC RESTful API with Redfish, Quick Sync 2 wireless module optional</p> <p>Warranty: 3 Years</p>
30000 000-9	Server Xeon Silver	<p>Type Enterprise Server</p> <p>Processor Unit : 2 x Intel Xeon Silver 4214 (2,2GHz/12-core/85W) Processor Kit</p> <p>Form factor: Rack (1U)</p> <p>RAM: 12 x 32 GB DDR4, registered, ECC, 2,933 MT/s, PC4-2933</p> <p>Storage: Dual microSD 64GB Enterprise (for Hypervisor) 4 x HDD SAS 4 TB HOT PL</p> <p>LAN: Production LAN Card 4 x 1 Gbps Base-T ports Storage Traffic Card 2 x 10 Gbps Base-T ports</p> <p>Fans: 8 redundant and hot-plug fans</p> <p>PSU: 450W hot-plug (platinum efficiency)</p> <p>Slots: 1 x PCI-Express 3.0 x8 3 x PCI-Express 3.0 x16</p> <p>Interfaces: 5 x USB 3.0 (2x front, 2x rear, 1x internal) 1 x VGA, 1 x Management LAN (Base-T)</p> <p>OS Support: *Windows Server 2016/2019 (Datacenter,Standard,Essentials) *VMware vSphere 6.5/6.7 *Red Hat® Enterprise Linux 7/8</p>	<p><u>Produsul ofertat: Dell PowerEdge R640 Server</u></p> <p>2x Intel Xeon Silver 4214 2.2G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (85W) DDR4-2400</p> <p>Rack (1U)</p> <p>12x 32GB RDIMM, 3200MT/s, Dual Rank</p> <p>2x 64GB microSDHC/SDXC Card 3.5 Chassis with up to 4 Hard Drives and 3PCIe slots 4x 4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive</p> <p>4 x 1GbE 2 x 10GbE + 2 x 1GbE 4 x 10GbE 2 x 25GbE</p> <p>Up to 8 hot plugs fans with full redundancy</p> <p>Dual, Hot-plug, Redundant Power Supply (1+1), 750W</p> <p>PCIe: 3 x Gen3 slots all x16</p> <p>Front Ports: 1 x Dedicated iDRAC direct USB 1 x USB 2.0 1 x USB 3.0 (optional) 1 x Video</p> <p>Rear Ports: 1 x Dedicated iDRAC network port 1 x Serial 2 x USB 3.0 1 x Video</p> <p>Windows Server Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi</p>





		<p>System Management: Integrated Remote Management Controller IPMI 2.0 compatible</p> <p>Warranty: 3 Years</p>	<p>iDRAC9, iDRAC Direct, iDRAC RESTful API with Redfish, Quick Sync 2 wireless module optional</p> <p>Warranty: 3 Years</p>
30000 000-9	NAS	<p>NAS</p> <p>CPU Architecture 64-bit</p> <p>CPU Frequency 4-core 2.1 GHz</p> <p>System Memory 4 GB DDR4 non-ECC SO-DIMM Total Memory Slots 2</p> <p>Memory Expandable up to 32 GB (16 GB x 2) Storage</p> <p>Drive Bays 6 Maximum Drive Bays with 6 x 1TB 3,5" HDD SATA-256MB NAS installed</p> <p>External Ports RJ-45 1GbE LAN Port4 (with Link Aggregation / Failover support) USB 3.0 Port 3 eSATA Port 2</p> <p>PCIe PCIe Expansion 1 x Gen3 x8 slot (black, x4 link)</p> <p>Warranty: 3 Years</p>	<p>Produsul oferat: Synology DiskStation DS1621+</p> <p>Architecture 64-bit</p> <p>4-core 2.2 GHz</p> <p>4 GB DDR4 ECC SODIMM</p> <p>Slots 2</p> <p>Memory Expandable up to 32 GB (16 GB x 2)</p> <p>Drive Bays 6 Maximum Drive Bays with 6 x 2TB 3,5" HDD SATA-256MB NAS installed</p> <p>External Ports RJ-45 1GbE LAN Port4 (with Link Aggregation / Failover support) USB 3.0 Port 3 eSATA Port 2</p> <p>PCIe PCIe Expansion 1 x Gen3 x8 slot (black, x4 link)</p> <p>Warranty: 4 Years for <i>Synology DiskStation DS1621+</i> 3 Years for 2TB 3,5" HDD SATA-256MB</p>

Lotul 2. All-in-One computers

30000 000-9	All-in-One computers	<p>Touch All-in-One</p> <p>Desktop 23,8"</p> <p>min 10th Generation Intel® Core™ i7 processor</p> <p>NVIDIA® GeForce® MX230 2 GB GDDR5 dedicated</p> <p>16 GB memory;</p> <p>1 TB HDD storage; 256 GB SSD storage;</p>	<p>Produsul oferat: Dell OptiPlex 5480 All-in-One XCTO</p> <p>5480 AIO 23.8" FHD 1920x1080 IPS Non-Touch Anti-Glare, IR Camera, Discrete Graphics, Platinum PSU</p> <p>Intel(R) Core(TM) i7-10700 (8 Cores/16MB/16T/2.9GHz to 4.8GHz/65W)</p> <p>NVIDIA GeForce GTX 1050-K1, 3GB</p> <p>16GB (1x16GB) DDR4 non-ECC Memory</p> <p>Additional 2.5 inch 1TB 5400rpm Hard Disk Drive</p> <p>M.2 256GB PCIe NVMe Class 35 Solid State Drive</p>
----------------	-----------------------------	--	---





**RELIABLE
SOLUTIONS
DISTRIBUTOR**

		min 720P Camera native, USB Keyboard and Mouse, 2 native Speakers	1920 x 1080 (FHD) at 30 fps Dell Multimedia Keyboard - Russian (QWERTY) - Black Dell Optical Mouse-MS116 – Black Warranty: 3 Years
--	--	--	---

Lotul 3. PC for language class

30000 000-9	PC for language class	<p>PC "AiO for Classes Screen</p> <p>21.5" FHD (1920x1080) WVA, Non Touch</p> <p>CPU min. 4C/4T, 2.0/3.2GHz, min cache 4MB</p> <p>RAM min. 4GB DDR4 2666 SODIMM</p> <p>HDD min. 256GB SSD M.2 2280 PCIe NVMe</p> <p>Card Reader 3-in-1 (SD, SDHC, SDXC)</p> <p>Graphics Integrated</p> <p>WLAN 802.11ac, 1x1 + BT4.0</p> <p>Camera 720P Camera native</p> <p>min. 2 x USB2.0 native min. 2 x USB3.1 min. HDMI-out Gbit Ethernet</p> <p>USB Kboard and Mouse Speakers 2 x 3W</p> <p>PSU max. 120 watts external adapter, autosensing, min 89% Maincase Black"</p>	<p>Produsul oferat: Dell OptiPlex 3280 All-in-One XCTO</p> <p>3280 AIO 21.5" FHD 1920x1080 IPS No Touch Anti-Glare, Camera, Integrated Graphics, 130W Adapter</p> <p>Intel(R) Core(TM) i3-10100T (4 Cores/6MB/8T/3.0GHz to 3.8GHz/35W)</p> <p>4GB (1X4GB) DDR4 non-ECC Memory</p> <p>M.2 256GB PCIe NVMe Class 35 Solid State Drive</p> <p>Card Reader 3-in-1 (SD, SDHC, SDXC)</p> <p>Intel Integrated Graphics, Dell OptiPlex</p> <p>Intel 3165 802.11ac dual band 1x1 + Bluetooth 4.2</p> <p>1920 x 1080 (FHD) at 30 fps</p> <p>One USB 3.2 Gen 1 Type-C port (side) One USB 3.2 Gen 1 Type-A port with PowerShare (side) Two USB 2.0 ports with Smart Power On (rear) Two USB 3.2 Gen 1 Type-A ports (rear)</p> <p>Dell Adapter USB-C to HDMI 2.0</p> <p>Dell Multimedia Keyboard - Russian (QWERTY) - Black Dell Optical Mouse-MS116 – Black</p> <p>130 Watt E4 AC Adapter</p> <p>Warranty: 3 Years</p>
----------------	------------------------------	--	---



Lotul 4. Notebook

30000 000-9	Notebook	<p>Notebook</p> <p>Display: 15" - 16"</p> <p>min. FHD (1920x1080) Anti-glare IPS or WVA min. 250 nits;</p>	<p>Produsul oferat: Dell Latitude 3510 CTO</p> <p>15.6" FHD WVA (1920 x 1080) Anti-Glare Non-Touch, Camera & Microphone</p>
----------------	-----------------	--	---



		<p>CPU: min. i7 or analogic (release date min. June 2019), min. 4 Cores and min. 8 Threads, base frequency min. 1.3 GHz, turbo frequency min. 3.9 GHz, cache min. 8MB, max 10 nm, TDP max. 15W</p> <p>RAM : min. 16GB, min. 3200MHz</p> <p>Storage : M.2 min. 512GB SSD PCIe NVMe, PCIe 3.0 x 4</p> <p>Video: integrated + discreet min. 2GB, min DDR 5</p> <p>Communication : 802.11ac Wi-Fi + Bluetooth 5.0, Card Reader, min. 1 x USB 2.0, min. 2 x USB 3.1 Gen 1 (min 1 x Always On), min 1 x USB-C 3.1 Gen 1, min 1 x USB-C 3.1 Gen 2 (with the function DP and power delivery), native HDMI 1.4b or DP, Native RJ45-port Keyboard spill-resistant LED backlight</p> <p>Others : TPM 2.0, battery life (Mobile Mark 2014): min. 9 hrs., Rapid Charge 1 hr. min. 75%</p> <p>OS : Windows 10 Pro 64 bit</p> <p>Mouse : wireless, optical or laser mouse from laptop manufacturer.</p>	<p>10th Generation Intel Core i7-10510U (4 Core, 8M cache, base 1.8GHz, up to 4.9GHz)</p> <p>16GB,1x16GB, DDR4 Non-ECC</p> <p>M.2 512GB PCIe NVMe Class 35 Solid State Drive</p> <p>Nvidia GeForce MX230 w/2GB GDDR5 for 10th Generation Intel Core i7-10510U</p> <p>Qualcomm(R) QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter, Bluetooth 5.0 Optional uSim Card Tray ,Micro SD 3.0 SD Reader ,Universal Audio Jack , USB 2.0 ,USB 3.2 Gen 1 ,RJ-45 with status LED ,Wedge-shaped Lock Slot ,Power-in, 4.5mm barrel with status LED ,HDMI 1.4 ,USB 3.2 Gen 1 , Dock Port/USB Type-C™ 3.2 Gen 1 with Power Delivery 3.0 and Display Port 1.2</p> <p>European Power Cord 4 Cell 53Whr ExpressCharge Capable Battery ENERGY STAR Qualified</p> <p>Windows 10 Pro 64bit English, Arabic, French, Russian, Turkish</p> <p>Dell Optical Mouse-MS116 – Black</p> <p>Warranty: 3 Years</p>
<p>30000 000-9</p>	<p>Notebook</p>	<p>Laptop</p> <p>15.6" Full HD (1920x1080) Non-glare</p> <p>Intel Core i3-8130U (2x Core, 2.2GHz - 3.4GHz, 4Mb)</p> <p>RAM 8Gb (Onboard) PC4-17000</p> <p>256Gb SSD</p> <p>Intel UHD Graphics, HDMI, No ODD, Gbit Ethernet, 802.11ac, Bluetooth, 1x USB 3.1 Type C, 2x USB 3.1, Card Reader, HD Webcam, DOS, 2-cell 35Wh Li-Ion Battery, 2.2kg</p>	<p>Produsul ofertat: Dell Latitude 3510 CTO</p> <p>15.6" FHD WVA (1920 x 1080) Anti-Glare Non-Touch, Camera & Microphone</p> <p>10th Generation Intel Core i3-10110U (2 Core, 4M cache, base 2.1GHz, up to 4.1GHz)</p> <p>8GB,1x8GB, DDR4 Non-ECC</p> <p>M.2 256GB PCIe NVMe Class 35 Solid State Drive</p> <p>Qualcomm(R) QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter,Bluetooth 5.0</p> <p>Optional uSim Card Tray ,Micro SD 3.0 SD Reader ,Universal Audio Jack , USB 2.0 ,USB 3.2 Gen 1 ,RJ-45 with status LED ,Wedge-shaped Lock Slot ,Power-in, 4.5mm barrel with status LED ,HDMI 1.4 ,USB 3.2 Gen 1 , Dock Port/USB Type-C™ 3.2 Gen 1 with Power Delivery 3.0 and Display Port 1.2</p> <p>Warranty: 3 Years</p>

