

ANNOUNCEMENT OF PARTICIPATION

on the purchase of the Equipment for Implementation of an ICT platform for Cloud Technologies integration in Education

through the purchase procedure Open auction

1. **Name of contracting authority:** IP „Universitatea de Stat din Moldova”
2. **IDNO:** 1006600064263
3. **Address:** Chişinău, Alexei Mateevici Street 60
4. **Phone number/fax:** 022 241 240/ 022 244 248
5. **E-mail address and official website of the contracting authority:**
achizitii publice.usm@gmail.com; www.usm.md
6. **E-mail address or official web page from which access to the award documentation will be available:** the award documentation is attached as part of the procedure in SIA RSAP
7. **Type of contracting authority and the main object of activity (where applicable, an indication that the contracting authority is a central purchasing authority or that the procurement involves another form of joint procurement):** Public Institution
8. **The buyer invites interested economic operators, who can meet the needs, to participate in the procurement procedure regarding the delivery/provision of the following goods/services:**

Unique lot

ON	CPV Code	Name of goods/services	Unit of measurement	Quantity	Full technical specification, Reference standards
		Equipment for Implementation of an ICT platform for Cloud Technologies integration in Education			
1.1	32420000-3 48820000-2 48900000-7	<i>Aggregation Switches</i>	Qty.	2	<ul style="list-style-type: none"> • Rack Size 1RU (Rack Unit) • Field-replaceable, hot-swappable, and up to 2 power supplies. • Field-replaceable, hot-swappable, and up to 5 fans. • Mounts in an EIA standard 19-inch rack or other equipment cabinet (hardware included); horizontal surface mounting only • Quantity of SFP/SFP+ ports not less than 48 • Quantity QSFP+ Ethernet 40G ports not less than 6 • Power supply from 100-127 to 200-240 VAC • RJ-45 serial; USB micro USB console; RJ-45 Ethernet port • Documentations, License (CD disk or any USB stick); • Other necessary accessories (power cable, mounting set)
1.2	32420000-3 48820000-2 48900000-7	Access Ethernet Switches	Qty.	20	<ul style="list-style-type: none"> • Rack Size 1RU (Rack Unit) • Quantity of RJ-45 ports not less than 48 • Quantity 1G/10G SFP+ not less than 4 • Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting • Fixed power supply • Fixed fans • Documentations, License (CD disk or any USB stick); • Other necessary accessories (power cable, mounting bolts)
1.3	32420000-3 48820000-2	<i>Access Ethernet Switches with Power over Ethernet</i>	Qty.	24	<ul style="list-style-type: none"> • Rack Size 1RU (Rack Unit) • Quantity of RJ-45 ports not less than 24 • Quantity 1G/10G SFP+ not less than 4 • Mounts in an EIA-standard 19-inch telco rack or

	48900000-7				<ul style="list-style-type: none"> equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting Fixed power supply Fixed fans Documentations, License (CD disk or any USB stick); Other necessary accessories (power cable, mounting bolts)
1.4	32420000-3 48820000-2 48900000-7	<i>Wi-Fi Access Points</i>	Qty.	60	<ul style="list-style-type: none"> WAP indoor in cases metallic or plastic, wall/ceiling mounted, Enterprise-class; 2x PoE-IN up to Gbps type of RJ-45 External Antennas omni-directional 4x4 , MIMO with peak antenna gain up to 4dBi in 2.4GHz and 6dBi in 5GHz Serial console interface (proprietary micro-B USB physical jack) Documentations, License (CD disk or any USB stick); Other necessary accessories (mounting brackets)
1.5	32420000-3 48820000-2 48900000-7	<i>Passive Network Equipment</i>	Qty.	3	<ul style="list-style-type: none"> 2x 42U 800mmx1200mm Rack with Side Panels and Baying, front and rear doors support a variety of electronic and biometric locking solutions for improved physical security, improved cable management provisions simplify installation, organization, and maintenance, should have possibility to bay racks together (Compulsory), Dynamic Load not less than 1133 kg, Static Load not less than 1360 kg 6x 40G QSFP+ to QSFP+ 3m DAC Cable 48x 10G SFP+ to SFP+ 1m DAC Cable 2x 19" 1U 24 Port, rack mount patch panel, with 24x SC/SM adapters and 24x SC/SM 1m 9/125 pigtail. 48x Fiber Optic Patch cord SC/APC – SC/UPC, SM, 9/125, L=1m. 20x Rackmount cabinet 9U 600x600mm wall mounted, (Perforated front door) 32x 1U PDU 8 sockets C13 with LED switch, ingress C14, aluminum profile, 3 meters of C13/C14 cable included 36x 19" 1U Cable Organizer with Lid, Black 12x 19" 2U Cable Organizer with Lid, Black 108x Twisted Pair Cable F/UTP Cat.5E 4x2x0.48 (100 MHz), shielded for inner strip, 305m in package 64x 1U patch-panel shielded Cat.5E STP 24 ports with cable organizer 2 km Fiber Optics 8 fibers, Type : ADSS, Placement : in air, Optic Cable type Monotube 1536x Patch-cord shielded black color 0.5m, F/UTP Cat.5E 4x2x0.48 (100 MHz) 96x Patch-cord shielded black color 1m, F/UTP Cat.5E 4x2x0.48 (100 MHz) 48x Patch-cord shielded black color 3m, F/UTP Cat.5E 4x2x0.48 (100 MHz)
1.6	32420000-3 48820000-2 48900000-7	<i>Servers for High-availability cluster</i>	Qty.	3	<ul style="list-style-type: none"> 3x Servers high-density with four-sockets (4S) for 4P data-intensive applications where data center space and the right performance are paramount 2U chassis rack form factor server with 8x hot plug SFF NVMe SSD bays, hot plug fans (with N+1 redundancy), with rails and cable management arm for easy install rail kit, with bezel kit and enhanced security features such as server configuration lock, security dashboard and workload performance advisor 4x CPUs per Server supporting 2nd Generation Intel® Xeon® Scalable Processors Family with minimum 12x Physical Cores per CPU @ 2.7GHz up to max turbo frequency 3.70Ghz, minimum cache: 19.25 MB, support 1TB memory per socket, TDP: 125W, support instruction set: Extensions Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 512GB RAM per Server Single Rank x4 DDR4-2933 CAS-21-21-21 Registered 2x SSD per Server 240GB SATA 6G Read Intensive SFF SC Multi Vendor 2x NVMe per Server 1.6TB Gen3 Mainstream Performance Mixed Use SFF SCN U.2 Multi Vendor 8x SSD per Disk Enclosures 800GB SAS 12G

					<ul style="list-style-type: none"> Mixed Use SFF SC S5540 1x PCIe Gen2 3.0 x8 Modular LH Controller per Server, 12Gb/s SAS w/o cache with internal ports: 8 SAS lanes across 2 x4 Mini-SAS ports. Enterprise-class controller for internal attached drives (to enable software-defined storage) without occupying a PCIe expansion slot 1x PCIe Gen2 3.0 x8 HBA Controller per Server, 12Gb/s SAS w/o cache with external ports: 8x SAS lanes across 2 x4 Mini-SAS HD ports and 2x External Cables per Server (2.0m, mini-SAS HD 4x to mini-SAS HD 4x) for connecting to 12 Gb/s external storage devices (JBODs) or advanced external storage arrays 1x PCIe Gen2 x8 Adapter per Server with 2x 10Gb ports FLR-SFP+ and c-Class 10GbE SFP+ to SFP+ 3m Direct Attach Copper Cable for delivers Single Root I/O Virtualization (SR-IOV) support to allow multiple operating systems to share a physical interconnect. IEEE Compliance 802.3, 802.3ae, 802.3x, 802.2x, 802.3ad, 802.1Qaz, 802.1Qau, 802.1Qbb, 802.1Qbg, 802.1ax 1x PCIe Gen2 x8 Adapter per Server with 2x 10GbE ports, Ethernet transfer rate of 20 Gbps full duplex per port (40 Gbps aggregate!). Virtualization support for VMware NetQueue and Microsoft VMQ to meet the performance demands of consolidated virtual workloads. Ready for SR-IOV virtualization. 4x Hot Plug Low Halogen Power Supply Enablement Kit per Server, minimum 94% efficiency with 3m IEC C-13/C-14 jumper cord Industry Standard Compliance: ACPI 6.1 Compliant, PCIe 3.0 Compliant, PXE Support (PXE boot support for IPv6 networks), USB 3.0 Compliant (internal); USB 2.0 Compliant (external ports via SUV), SMBIOS 3.1, UEFI 2.6 (TPM 2.0 support, NVMe Boot Support) Operating Systems and Virtualization Software Support: VMware ESXi 6.7/7.0, Windows Server 2019/2022
1.7	32420000-3 48820000-2 48900000-7	Disk enclosure for Servers	Qty.	3	<ul style="list-style-type: none"> 3x 12Gb SAS Disk Enclosures modular platform with 25 drive bays for high level of redundancy and reliability, reducing single-points-of-failure within the storage network Maximum number of drives: up to 25x 2.5" Solid State Drives per controller. Total support can grow up to 200x SFF drives Disk Enclosures same brand name with servers and compatible with offered HBAs Disk Enclosures included: with 25x caddy bays Disk drive in bay: 1 Power Redundancy: Yes Power Redundancy Scheme: 1+1 Compatible Operating Systems: Microsoft Windows Server 2019/2022, VMware ESX depending on host connectivity Insight Manager Support: Yes 1x Rail kit per Disk Enclosure
1.8	32420000-3 48820000-2 48900000-7	Uninterruptible Power Source	Qty.	2	<ul style="list-style-type: none"> 2x 6U rackmount Online Double Conversion Rackmount Uninterruptible Power System Communications: Serial Ports RS232 and USB with communication cables, Supports Network Management Module as a standard feature LCD Display and Button Interface on front panel Provides virtualization-ready support for Power Manager software (free download). Power output 8kVA (7.2kW) Power distribution Single-phase Electrical Input: Voltage Range 200 – 250VAC, Frequency 40/60 Hz (if 50Hz input), Online Efficiency Mode up to 94.5%, High Efficiency Mode up to 98% Input Connection Terminal Block (Hardwire) Electrical Output: On battery Regulation -10% to +6% of nominal voltage, Voltage Wave Form Sinusoidal, Output protection Firmware overload sensing and control Output Connection 6x C-19, 2x IEC 32A Breaker Amp Rating/ Single or Double Pole 16A/1pole for 6x C19 32A/1pole for 2x IEC 32A UPS Battery type Maintenance-free, rechargeable, valve regulated lead-acid batteries

					<ul style="list-style-type: none"> Backup runtime: Internal Battery at 100% load not less than 3.5 Minutes Supports Extended Runtime Modules up to 4 per UPS Safety Certifications UL1778, UL60950-1; CSA22.2 No.107.3-05; EN60950-1, EN62040-1 IEC62040-1-1, IEC 60950-1 Immunity EN 55024; EN 50091-2 consisting of IEC 61000-4-2 thru IEC 61000-4-6; IEC 61000-4-11 Surge Suppression Conforms to IEEE 587B and ANSI C62.41
1.9		Services	Qty.	1	Services regarding the installation/configuration of the "turnkey" system, provision of installation, configuration and restoration documentation, training of the university staff who will manage the implemented platform, guaranteed assistance and maintenance for at least 3 years
Total estimated value: 6250000,00					

9. In the case of pre-selection procedures, indicate the minimum number of candidates and, if applicable, the maximum number of candidates: Not applicable

10. If the contract is divided into lots, an economic operator may submit an offer (to be selected):

- 1) For a single lot:
- 2) For several lots;
- 3) For all lots;
- 4) Other limitations on the number of lots that can be awarded to the same bidder _____

11. Admission of prohibition of alternative offers: Not admitted

12. Requested terms and conditions of delivery/supply: The turnkey system will be delivered until 01.09.2022

13. Contract validity term: 31.12.2022

14. Procurement contract reserved for protected workshops or that it may be performed only under protected employment programs (where applicable): No

15. The provision of the service is reserved to a certain profession under certain laws or administrative acts (where applicable): Not applicable

16. Short description of the eligibility criteria of economic operators that may determine their elimination and of the selection / pre-selection criteria; the minimum level(s) of requirements that may be imposed; the requested information (European Single Procurement Document (ESPD), documentation) is mentioned:

Name	Brief description of the selection criteria	Minimum /Obligation Level
Technical specifications completed in accordance with Annex no. 22	- in original electronically signed;	Compulsory
Price specifications completed in accordance with Annex no. 23	- in original electronically signed;	Compulsory
Guarantee for the offer 1% - the bank guarantee form completed in accordance with Annex no. 9.	in original in the form of - Original bank guarantee issued by a commercial bank; or - Transfer to the Contracting Authority Account confirmed by the payment order: Beneficiary name: Universitatea de Stat din Moldova Beneficiary bank: BC Victoriabank SA, Branch no.17 Chişinău Fiscal Code: 1006600064263 IBAN Code: MD25VI000000225171710MDL Bank Code: VICBMD2X457 The warranty for the offer shall be submitted, in the amount requested, only by the economic operator submitting the offer, whether or not it has associates / subcontractors. The validity of the warranty is valid for	Compulsory

	the period of validity of the offer - 60 days of the day of the tenders;		
European Single Procurement Document (ESPD)	- in original electronically signed;	Compulsory	
Application for participation completed in accordance with Annex no. 7	- in original electronically signed;	Compulsory	
Statement of the validity of the offer completed in accordance with Annex no. 8.	- in original electronically signed;	Compulsory	
Requested documents through ESPD			
according to art. 20 paragraph 8, Law no. 131 of 03.07.2015, regarding public procurement, the first ranked bidder will present (by electronic means, with the electronic signature) within 3 days, on request to the contracting authority, the updated supporting documents which will demonstrate the fulfillment of all qualification criteria and selection.			
Proof of legal entry	Certificate of registration/decision of registration/extract issued by the competent body - in original/electronically signed copy;	Compulsory	
Bank account assignment certificate	issued in 2019-2021 by the bank holding the account, in original/electronically signed copy;	Compulsory	
Statement on confirmation of the identity of the beneficiaries and their non-compliance in the situation of conviction for participation in a criminal organization or group, for corruption, fraud and/or money laundering.	completed in accordance with the Form approved by the MoF Order no. 145 of 24.11.2020, - in original electronically signed; <i>It will be presented within 5 days by the successful bidder.</i>	Compulsory	
Statement of the list of the main deliveries made in the last 3 years of activity completed in accordance with Annex no. 12.	in original electronically signed;	Compulsory	
Registration number	For electrical and electronic equipment (EEE), the registration number of the EEE manufacturer/distributor will be presented in the List of manufacturers of products subject to extended producer responsibility regulations, according to the Regulation on waste electrical and electronic equipment approved by GD no. 212/2018, confirmed by applying the electronic signature of the economic operator;	Compulsory	
Good execution guarantee in 5%	Transfer to the Contracting Authority Account confirmed by the payment order: Beneficiary name: Universitatea de Stat din Moldova Beneficiary bank: BC Victoriabank SA, Branch no.17 Chişinău Fiscal Code: 1006600064263 IBAN Code: MD25VI000000225171710MDL Bank Code: VICBMD2X457 <i>It will be presented by the successful tenderer.</i>	Compulsory	
Equipment origin certificate	Original, at the delivery of goods	On request	
Certificate or warranty statement	Original, at the delivery of the goods. The document should include the period and type of warranty requested with the possibility of verifying it on the manufacturer's website	On request	
Financial report	Copy of the last financial report, confirmed by applying the electronic signature of the economic operator	On request	
Presentation of product conformity evidence, identified by reference to relevant specifications or standard	Conformity certificates - copies confirmed by applying the electronic signature of the economic operator	On request	
Recommendations from other beneficiaries	Copy confirmed by applying the tenderer's electronic signature	On request	

17. The warranty for the offer, as appropriate Yes, the amount of 1% of the VAT-free offer.

18. The guarantee of good execution of the contract, as appropriate Yes, the amount of 5% of the contract value, including VAT.

19. Reason for recourse to accelerated procedure (in the case of open, restricted auction and negotiated procedure), as the case-----

20. Specific award techniques and tools (if applicable specify whether the framework agreement, dynamic purchasing system, or electronic auction will be used): electronic auction, in 3 rounds, minimum step value 1%

21. Special conditions on which the fulfillment of the contract depends
Requirements and conditions for "turnkey" installation/configuration

- The solution provider will take into account the minimization of downtime risks for the proposed "turnkey" solution and will guarantee an uptime SLA of 99.95% for the services provided by the university and hosted on the implemented platform, provided the rules of operation of the proposed system are observed;
- The solution provider must install and configure all the equipment offered at "turnkey", exclusively from the local network of the university;
- The proposed hardware equipment should be of an international vendor. Also to reduce the costs of support during the exploitation period of the proposed system and the guaranteed compatibility of the active network equipment, servers, storage equipment, UPS should be from the same manufacturer.
- The solution provider should install/configure a software solution of centralized management and active monitoring with the purpose of preventing damages to the implemented system. The proposed solution should be available for the whole guaranteed period for the implemented system. For the software licenses on the subscription basis and/or surcharge(comercial) should be covered during the whole guaranteed period of the implemented system.

Requirements for the installation, configuration and restoration documentation

- The solution provider must create diagrams of the network infrastructure topology (OSI Layer 1-7), diagrams of the physical / logical interconnection of the servers in the data center, the interconnection of the University Cloud entities with the Public ones and the logical communication of the applications from entities and update it for the entire period of guaranteed assistance;
- The solution provider must create distribution lists of IP addresses, VLANs on the RADIUS server by university departments, services and subdivisions;
- Operation rules of the proposed system

Training requirements for university staff who will manage the implemented platform

- The solution provider must provide training services to MSU specialists, who will serve the implemented solution, by modules, for each of the components of the solution.
- The solution provider will develop internal certification mechanisms, or will use external certification mechanisms for at least 2 university specialists for the implemented technologies;

Guaranteed assistance and maintenance requirements

The solution provider will provide at least 3 years of support to the implemented platform, including software updates and the development of new functions, bug fixes, etc.

22. Tenders presented in foreign currency: MDL

23. The evaluation criterion applied for the award of the contract: The lowest price and correspondence with requirements and specifications.

24. The factors for assessing the most economically advantageous offer as well as their weights: -----

25. Deadline for submission/opening of tenders: According to SIA RSAP

26. The address to which offers or requests for participation must be sent:

Tenders or requests for participation will be submitted electronically through SIA RSAP

27. Validity Term of Tenders: 60 days

28. Place of tender opening: SIA RSAP

Delayed offers will be rejected.

29. Persons authorized to assist in opening tenders:
Tenderers or their representatives have the right to participate in the opening of tenders, unless the tenders have been submitted by SIA RSAP.

30. The language or languages in which tenders or requests for participation must be drafted: Romanian

31. This contract refers to a project and/or program funded by European Union funds:-----

32. Name and address of the competent settlement of the complaints:

National Agency for Settlement of Complaints

Address: Chişinău, Ştefan cel Mare şi Sfânt Boulevard No. 124 (flr.4), MD 2001;

Tel/Fax/E-mail:022-820 652, 022 820-651, contestatii@ansc.md

33. Date (dates) and the reference (references) previous publications in Official Journal of the European Union on the contract (contracts) to which the announcement concerned (if appropriate): <https://enotices.ted.europa.eu/noticeInformation?noticeId=6303206>
Announcement number in OJ S: 2022/S 005-010406

34. In the case of periodic purchases, the estimated timetable for publication of future announcements:-----

35. Date of publication of the notice of intent or, as the case may be, indicating that such an announcement was not published: 14.12.2021, Public Procurement Bulletin no. 97

36. Date of transmission for publication of the announcement: According to SIA RSAP

37. In the public purchase procedure will be used/accepted:

Name of Electronic Tool	Will be used/accepted or not
Electronic submission of tenders or requests for participation	yes
Electronic order system	no
Electronic invoicing	yes
Electronic payment	yes

38. The contract is covered by the Government Acquisition Agreement of the World Trade Organization (only for publications transmitted in the Official Journal of the European Union): Yes

President of the Working Group
Vice-Rector Institutional Management



Violeta COJOCARU