

PARTICIPATION NOTICE

regarding the purchase **Equipment and services for modernization of the Technical University of Moldova data center**

through the procurement **Open Tender**
procedure

1. **Name of the contracting authority:** Technical University of Moldova, Public Establishment
2. **Fiscal Code:** 1007600001506
3. **Address:** 168 Ștefan cel Mare Street, Chișinău Mun.
4. **Telephone/Fax number:** 022-23-35-03
5. **E-mail and Internet address of the contracting authority:** olga.gherman@adm.utm.md;
<https://www.utm.md>
6. **The E-mail or Internet address from which the access to the award documentation can be obtained:** *The award documentation is attached in the procedure in AIS "SRPP" M-Tender (The Automated Information System "The State Register of Public Procurement" M-Tender)*
7. **Type of contracting authority and main object of activity (If applicable, the statement that the contracting authority is a central purchasing authority or that the acquisition involves or could involve another form of joint procurement):** Public Higher Education Institution.
8. **The buyer invites interested economic operators, who can meet their needs, to participate in the procurement procedure for the delivery of the following goods:**

Nr. d/o	Code CPV	Name of requested goods	Unit of measurement	Quantity	Full technical specification required, reference standards
LOT 1 Failover Clustering system					
1.1	48820000-2	Server for the cluster system	Piece	3	<ul style="list-style-type: none"> • Form factor: 19" rackmount • CPU: 2 pcs included, base frequency min. 3.1GHz, maximum frequency - min. 4.1GHz, min. 35MB cache, min. 20 cores, min. 40 streams • RAM: support up to 3TB, min 6 x 32GB Dual Rank DDR4-2933 ECC installed • min 8 2.5" HDD / SSD slots used only for data disks (without operating system) • Boot media: min 2 x 32GB SSD in RAID1 • LAN: min 2 x 1Gbps RJ-45, min 4 x 10Gbps SFP+, 1x 1Gbps dedicated management port • USB ports: min 3 x USB 3.0 type A • expansion slots: up to 3 PCIe 3.0 • Power supply: min 2 power supplies, min 550W each • Remote management interface without the need for licensing or with the full-feature license activated • Supported operating systems: VMware vSphere, Microsoft Hyper-V, Citrix XenServer • Rail kit and power cables C13-C14 included

					<ul style="list-style-type: none"> • Minimum 3 year warranty directly from Next Business Day (NBD) manufacturer
1.2	48782000-3	Type I storage system	Piece	1	<ul style="list-style-type: none"> • Full compatibility with the servers in point 1.1 • Chassis: max 2U, 19 "rackmount • Storage type - all-flash with full-mesh architecture • Dual chassis controller in active / active mode. Support up to 4 controllers per storage system, possibility to extend up to 16 controllers just by updating the software • RAM cache - Min. 128 GB per controller installed. Support for up to 2 TB per storage system. Possibility to expand up to 4 TB per storage system just by updating the software • Supported protocols - FC, CIFS, NFS, iSCSI • Min. 24 hotswap slots for 2.5 "SSD (expandable up to 1600 SSDs) • Min. 8 SFP + 10Gbps interfaces. Possibility to add up to 16 x 10 / 25Gbps. • Min. 4 external SAS 12Gbps interfaces to expand storage capacity • Power supply: min 2 pieces redundant, AC 220V • Integrated system for monitoring and recording the health and performance of equipment, with data storage • RAID levels 5/6/10 / TP • SSD status monitoring support • Hot-spare disc support • High snapshot compatibility with VMWare ESXi and Microsoft Hyper-V virtualization systems • Active licensed software functionality: inline deduplication; inline compression; thin provisioning; metro cluster in active / active mode; remote replication; snapshot; data caching; • Hot-swap disks included: min 12 x 3.84TB 12G SAS 2.5 "Read-intensive SSD • Virtualization support on hardware and software levels • Management - Web interface, SNMP, console port, RESTful API • Minimum 3 years warranty directly from Next Business Day (NBD) manufacturer
1.3	48626000-2	Virtualization software	Piece	1	<ul style="list-style-type: none"> • Support for 3 servers with 2 CPUs each • Compatibility with the servers in point 1.1 • Support for High Availability, Replication, Thin Provisioning, Live migration • The license must be for life without subscriptions • Support from the

					manufacturer for 3 years
1.4	48782000-3	Type II storage system	Piece	1	<ul style="list-style-type: none"> • Chassis: max 2U, 19 ”rackmount • min. 12 slots for 2.5 ”and 3.5” form-factor HDD / SSD • CPU: base frequency min. 2.4GHz, maximum frequency - min. 2.7GHz, min. 6MB cache, min. 4 cores, min. 8 streams • RAM: support up to 64GB, min 8 GB DDR4 ECC installed • Discs included: min. 10x 12TB SATA 6GB / s 3.5 ”7200RPM Enterprise type; min. 2x 500GB SSD SATA 6GB / s 2.5 ” • LAN: min. 4x 1Gbps RJ-45, 2x 10GbE SFP + (with Dynamic Link Aggregation support IEEE802.3ad LACP) • PCI Express slots - min. 2 x PCIe 3.0 x8 • Encryption - AES-NI hardware-based • Storage modes - block, file • Network protocols - SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, SSH, SNMP • Supported RAID types - JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 • Ability to add SSD cache • Snapshot creation, management and backup functions • Supported files systems in file mode: ext4, ext3, FAT, NTFS, HFS +, exFAT • Compatibility with virtualization systems: VMware, • Support for VMware / Hyper-V CBT technology • Security - ACL, firewall, TLS / SSL tunneling, malware detection, volume encryption • Software for remote configuration and backup management • Minimum 2 years warranty
1.5	72212212-8	Equipment installation and configuration services	Piece	1	<ul style="list-style-type: none"> • Installation and interconnection of servers in the existing telecommunications cabinet according to the scheme in Annex 1 • Installation of the storage system in the existing telecommunications cabinet • Connect the equipment (servers and storage system) to the existing UPS and calibrate it • Server configuration and storage system (management, RAID groups, monitoring) • Installation and configuration of virtualization software (cluster, live migration, iSCSI storage, thin provisioning, backup) • Migration of data and operating

					<p>systems (metal bars) from old equipment:</p> <ul style="list-style-type: none"> - Windows server 2008, 2012, 2016-20 pcs - Linux Debian, CentOS- 10 pcs - FreeBSD - 3 pcs • Configuring backups for each drive (operating systems, virtual machines, critical data on storage system) via NFS / CIFS • Verification and testing of all software and hardware components
--	--	--	--	--	---

The estimated value, without VAT, for Lot 1 is **2.300.000,00 lei MDL**

LOT 2 Network equipment for Failover Clustering system

2.1	32420000-3	Network switch	Piece	2	<ul style="list-style-type: none"> • L3 network switch • min. 24x 1 / 10G SFP + ports • min. 6x 40 / 100G QSFP28 ports • min. 1x console port • min. 1x Out-of-band port management • Power supply: min. 2x hot-swappable PSU AC220V • Clustering / stacking support with a minimum capacity of 1Tbps and up to 9 devices in the stack • Switching Capacity: min 1.6Tbps • Quality of service (QoS) features: Strict Priority (SP); Traffic prioritization (IEEE 802.1p); L4 prioritization based on TCP / UDP • Layer 2 features: VLAN (min 4k); Q-in-Q; min 350k MAC table, Jumbo packet; STP; port security; port insulation; ACL; LACP • Layer 3 features: BGP; ECMP; OSPF, BFD, min 250k IPv4 / 70k IPv6 routes • Datacenter features: VXLAN, MPLS L2 / L3. • All required licenses must be included. • SFP modules included: min 2x 1 / 10G SFP RJ45, up to 100m via UTP Cat6 cable; min. 4 x 10G SFP + LC SR 300m MMF; min. 1x 100G QSFP28 to QSFP28 1m DAC Cable, min 10 x 10Gbps 3m DAC cable compatible with servers and storage systems • Minimum 3 years warranty directly from Next Business Day (NBD) manufacturer
2.2	72212212-8	Equipment installation and configuration services	Piece	1	<ul style="list-style-type: none"> • Installation and interconnection in the existing telecommunications cabinet according to the scheme in Annex 1 • Connect the equipment to the existing UPS • Equipment installation and configuration (routing, VLAN, port security, stack, management)

					• Configuring the interconnection with the existing university network at physical and logical level (VLAN, routing, security)
The estimated value, without VAT, for Lot 2 is 400.000,00 lei MDL					
The total estimated value, without VAT, for all lots is 2,700,000.00 lei MDL					

9. **If the contract is divided into lots, an economic operator may submit the offer:** 1) For a single lot OR 2) For all lots.
10. **Admission or prohibition of alternative offers:** Alternative offers will not be accepted.
11. **Terms and conditions of delivery requested:** Delivery within 90 calendar days after signing the contract by both parties.
12. **The term of validity of the contract:** 31.12.2021.
13. **Procurement contract reserved for sheltered workshops or that it may be performed only under sheltered employment programs (as the case may be):** *Not applicable.*
14. **The provision of the service is reserved to a certain profession on the basis of legal acts or administrative acts (as the case may be):** *Not applicable.*
15. **Brief description of the criteria for the eligibility of the economic operators that may lead to their elimination and of the selection criteria; the minimum level (s) of requirements that may be imposed; the requested information is mentioned (DUAE (European Single Procurement Document - ESPD), documentation):**

No.	Description of the criterion / requirement	How to demonstrate the fulfilment of the criterion / requirement	Minimum level / mandatory Yes / No				
1.	European Single Procurement Document - ESPD	ORIGINAL - <i>Confirmed by applying the bidder's electronic signature</i>	Yes (at opening)				
2.	Offer	ORIGINAL - <i>Confirmed by applying the bidder's electronic signature:</i> Offer form (Form F3.1), Technical specifications (Form F4.1), Price specifications (Form F4.2).	Yes (at opening)				
3.	Guarantee for the offer - 2% of the value of the offer, without VAT	ORIGINAL - <i>Confirmed by applying the bidder's electronic signature.</i> a) The offer will be accompanied by a Guarantee for the offer (issued by a commercial bank) according to form F3.2 of the "Standard Documentation". OR b) Transfer to the contracting authority's account, according to the following bank details: <table border="1" data-bbox="678 1892 1292 2078"> <tr> <td><i>Beneficiary of payment</i></td> <td>Technical University of Moldova, Public Establishment</td> </tr> <tr> <td><i>Name of the bank</i></td> <td>BC'MOLDOVA-AGROINDBANK SA., Chisinau Center Branch</td> </tr> </table>	<i>Beneficiary of payment</i>	Technical University of Moldova, Public Establishment	<i>Name of the bank</i>	BC'MOLDOVA-AGROINDBANK SA., Chisinau Center Branch	Yes (at opening)
<i>Beneficiary of payment</i>	Technical University of Moldova, Public Establishment						
<i>Name of the bank</i>	BC'MOLDOVA-AGROINDBANK SA., Chisinau Center Branch						

		<i>Fiscal Code</i>	1007600001506	
		<i>IBAN</i>	MD32AG000000022512015310	
4.	Performance guarantee – 5% (at the conclusion of the contract awarded)	ORIGINAL - Confirmed by applying the bidder's electronic signature.		Yes (will be presented by the winning Tenderer at the conclusion of the contract)
According to art. 20 paragraph 8, Law no. 131 of 03.07.2015 the following mandatory documents will be requested after the opening of tenders according to the requirements and deadlines indicated in the ESPD				
5.	Proof of registration of the legal person, in accordance with the legal provisions of the country where the bidder is established	Certificate / Decision of registration of the enterprise / Extract from the State Register of legal entities. <i>Confirmed by applying the bidder's electronic signature.</i> The non-resident economic operator will present documents from the country of origin that prove the form of registration / attestation or membership from a professional point of view		Yes (upon request)
6.	Fulfillment of obligations to pay taxes, fees and social security contributions, in accordance with the legal provisions in force in the Republic of Moldova	Certificate of systematic payment of taxes, contributions issued by the Fiscal Inspectorate. (validity of the certificate - according to the requirements of the Fiscal Inspectorate of the Republic of Moldova). <i>Original confirmed by applying the bidder's electronic signature</i>		Yes (upon request)
7.	Bank account assignment certificate	Certificate of assignment of the bank account issued by the bank holding the account. <i>Confirmed by applying the bidder's electronic signature</i>		Yes (upon request)
8.	Financial report - last (for 2019 or 2020)	<i>Confirmed by applying the bidder's electronic signature</i>		Yes (upon request)
9.	Demonstration of the experience of the economic operator regarding the delivery of goods in the field of activity related to the object of the contract to be awarded	Declaration regarding the list of the main deliveries of similar goods and services (delivery and configuration of servers, storage systems, networks) in the last 3 years of activity. <i>Confirmed by applying the bidder's electronic signature</i>		Yes (upon request)
10.	The minimum value of an individual contract fulfilled during the last 3 years of activity	The presentation of at least one individual Contract fulfilled during the last 3 years of activity, which should be similar in object and the value of which should not be less than the value of the offer presented within the given competition. <i>Confirmed by applying the bidder's electronic signature</i> * Note: If the Contract (s) are confidential, place on the platform pages of the Contract on which to be visible: The number and date, the names of the parties, indicate the nature of the goods delivered and the value of the Contract. If necessary, the entire Contract (s) will be requested.		Yes (upon request)
11.	Status of official partner of the producer on the territory of the Republic of Moldova that would confirm the right to trade the requested goods	<i>Confirmed by applying the bidder's electronic signature</i>		Yes (upon request)

12.	Presentation of evidence regarding the right to deliver goods	Manufacturer Authorization Form (MAF) / Department Authorization Form (DAF) Certificate <i>Confirmed by applying the bidder's electronic signature</i>	Yes (upon request)
13.	Certificate of conformity regarding the ISO-9001 Quality Management System	<i>Confirmed by applying the bidder's electronic signature</i>	Yes (upon request)
14.	Certificate ISO 27001	<i>Confirmed by applying the bidder's electronic signature</i>	Yes (upon request)
15.	Demonstration of access to the personnel necessary for the proper fulfillment of the object of the contract (specialized personnel and / or experts who will have essential roles in its fulfillment)	Certificates - Confirmed by applying the electronic signature of the bidder. The tenderer must have at least one engineer specializing in storage system servers and one engineer specializing in computer networks. Both specialists must be certified by the manufacturers of the equipment offered (servers, storage, switches) at Associate, Professional or Expert Certified Engineer level. Both specialists must be employees of the bidder's company. Certificates must be valid at the time the tender is placed and during the project.	Yes (upon request)
16.	Existence of the authorized and post-warranty authorized service center	<i>Confirmed by applying the bidder's electronic signature</i>	Yes (upon request)
17.	Declaration confirming that the manufacturer / distributor of electrical and electronic equipment (EEE) is included in the List of manufacturers of products subject to extended producer responsibility regulations (indicating registration number in the "List of manufacturers")	<i>Confirmed by applying the bidder's electronic signature</i>	Yes (upon request)

* In accordance with the Law on public procurement no. 131 of 03.07.2015, namely, art.65 par. (4), the submission of the tender necessarily involves the submission of the technical specification (F4.1), the financial tender (F4.2), the ESPD form and the Offer guarantee”.

16. Reason for recourse to the accelerated procedure (in the case of open, restricted and negotiated tender), where applicable: *Not applicable.*

17. Specific award techniques and instruments (if applicable, specify whether the framework agreement, dynamic purchasing system or electronic auction will be used): *Not applicable.*

18. Special conditions on which performance of the contract depends: *Not applicable.*

19. The evaluation criterion applied for the award of the contract: Lowest price (excluding VAT) and correspondence of the required technical parameters.

According to art. 26 point. 18, Law no. 131 of 03.07.2015, regarding public procurement, if two or more offers are equivalent, an additional award criterion will be applied - technical and / or professional capacity (art. 18, letter d), Law 131/2015).

20. The evaluation factors of the most advantageous tender in economic terms and their weights:

No.	Name of the evaluation factor	Weight %
	<i>Not applicable</i>	

21. Deadline for submission / opening of tenders:

- until: *According with electronic system AIS "SRPP" M-Tender.*
- on: *According with electronic system AIS "SRPP" M-Tender.*

- 22. Address to which tenders or requests to participate must be sent:**
Offers or requests to participate will be submitted electronically through the AIS "SRPP" M-Tender.
- 23. The term of validity of the offers:** *60 calendar days.*
- 24. Place of opening of offers:** *AIS "SRPP" M-Tender;*
Delayed bids will be rejected.
- 25. Persons authorized to be present at the opening of tenders:**
Tenderers or their representatives have the right to participate in the opening of the bids, unless the bids have been submitted through the AIS "SRPP" M-Tender.
- 26. The language or languages in which tenders or requests to participate must be drawn up:**
Romanian and / or English (as the case).
- 27. That contract relates to a project and / or program financed by European Union funds:** *No.*
- 28. Name and address of the body responsible for resolving appeals:**
National Agency for Solving Complaints;
Address: mun. Chişinău, ave. Ştefan cel Mare și Sfânt no. 124 (4 floor), MD-2001;
Phone / Fax / E-mail: 022-820 652, 022 820-651, contestatii@ansc.md
- 29. Date (s) and reference (s) of previous publications in the Official Journal of the European Union concerning the contract (s) to which that notice relates (if applicable):** *---*
- 30. In the case of regular purchases, the estimated timing for the publication of future announcements:** *Not applicable.*
- 31. Date of publication of the notice of intent or, where applicable, a statement that no such notice has been published:**
Public Procurement Bulletin no. 14 February of 23, 2021;
TED eNotices website: 2021 / S 051-129677(document number) of March 15, 2021.
- 32. Date of dispatch of the announcement of participation:** *April 09, 2021.*
- 33. In the public procurement procedure, the following will be used / accepted:**
- | Name of the electronic instrument | It will be used / accepted or not |
|---|--|
| electronic submission of tenders or requests to participate | It is accepted |
| electronic order system | It is not accepted |
| electronic invoicing | It is accepted |
| electronic payments | It is accepted |
- 34. The contract is subject to the Agreement regarding the Government Procurement of the World Trade Organization (only in the case of announcements submitted for publication in the Official Journal of the European Union):** *Not applicable.*

The leader of the working group Larisa BUGAIAN: _____

L.Ş.