

## **REQUEST FOR QUOTATION (RFQ)**

RFQ Reference: RFQ-2022-023 "Purchase and delivery of

computer & interactive equipment for the Situation Date

Center"

Date: 15 August 2022

#### **SECTION 1: REQUEST FOR QUOTATION (RFQ)**

UNDP on behalf of UNODC programme office in Nur-Sultan kindly requests your quotation for the provision of goods **Computer & interactive equipment for the Situation Center** as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

Signature: Vana lmanova
Name: Dana Amanova

Title: Operations Manager

Date: d\fk\\9\\\9\\\20\fk\\\9\\\20\fk\\\9\\\20\fk\\\9\\\20\fk\\\\9\\\20\fk\\\9\\\20\fk\\\9\\\20\fk\\\9\\\20\fk\\\9\\\20\fk\\\\9\\\20\fk\\9\\\20\fk\\9\\\20\fk\\\9\\\20\fk\9\\\20\fk\9\\\20



## **SECTION 2: RFQ INSTRUCTIONS AND DATA**

Introduction	Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing
introduction	by UNDP. This RFQ is conducted in accordance with the <u>UNDP Programme and Operations Policies</u>
	and Procedures (POPP) on Contracts and Procurement
	Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the
	acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a
	result of this RFQ.
	UNDP reserves the right to cancel the procurement process at any stage without any liability of any
	kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.
Deadline for	Monday, 29 August 2022, 17:00 (Nur-Sultan Local Time)
the	If any doubt exists as to the time zone in which the quotation should be submitted, refer to
Submission of Quotation	http://www.timeanddate.com/worldclock/.
Method of	Quotations must be submitted as follows:
Submission	☑ Dedicated Email Address
000000000000000000000000000000000000000	
	Dully filled and signed quotations must be submitted on or before <b>29 August 2022, 17:00 (Nur-Sultan Local Time)</b> , to the email address below with Email Subject: RFQ-2022-023 "Purchase and
	delivery of computer & interactive equipment for the Situation Center"
	Procurement.kz@undp.org
	Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation.
	not be considered for evaluation.
Cost of	UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission
preparation	of a quotation, regardless of the outcome or the manner of conducting the selection process.
of quotation	
Supplier	All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge
Code of Conduct,	that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes <b>principles on labour, human rights, environment and ethical conduct</b> may be found
Fraud,	at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct
Corruption,	Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud,
, σοντα <b>ρ</b> ουσι,	corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and
	requires all bidders/vendors to observe the highest standard of ethics during the procurement
	process and contract implementation. UNDP's Anti-Fraud Policy can be found at
	http://www.undp.org/content/undp/en/home/operations/accountability/audit/office of audit an
	<u>dinvestigation.html#anti</u>
Gifts and	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including
Hospitality	recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or
	invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall
	reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either
	indefinitely or for a stated period, to be awarded a contract if at any time it determines that the
	vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP
	contract.
Conflict of	UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to
Interest	UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the
	requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders
	shall strictly avoid conflicts with other assignments or their own interests, and act without
	consideration for future work. Bidders found to have a conflict of interest shall be disqualified.
	Diddens would displace in their Did their line outledge of the following way of the
	Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners,
	officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the
	country or any Implementing Partner receiving goods and/or services under this RFQ.
	Country of any implementing rathlet receiving goods and/of services under this AFQ.

	The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to		
	UNDP's further evaluation and review of various factors such as being registered, operated and		
	managed as an independent business entity, the extent of Government ownership/share, receipt of		
	subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.		
General	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the		
Conditions of	General Conditions of Contract		
Contract	□ General Terms and Conditions / Special Conditions for Contract.		
	Applicable Terms and Conditions and other provisions are available at <a href="UNDP/How-we-buy">UNDP/How-we-buy</a>		
Special	☐ Cancellation of PO/Contract if the delivery/completion is delayed by 30 days		
Conditions of			
Contract			
Eligibility	A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as		
	ineligible by any UN Organization or the World Bank Group or any other international Organization.  Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or		
	temporary suspension imposed by these organizations. Failure to do so may result in termination of		
	any contract or PO subsequently issued to the vendor by UNDP.		
	It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors,		
	service providers, suppliers and/or their employees meet the eligibility requirements as established		
	by UNDP.		
	Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the		
	country, or through an authorized representative.		
Currency of	Quotations shall be quoted in <b>USD</b> for International Bidders, <b>KZT</b> – for local Bidders		
Quotation			
Joint	If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to		
Venture, Consortium	act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or		
or	Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the		
Association	legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall		
	be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on		
	behalf of all the member entities comprising the joint venture, Consortium or Association.		
	Refer to Clauses 19 – 24 under Solicitation policy for details on the applicable provisions on Joint		
Only one Did	Ventures, Consortium or Association.		
Only one Bid	The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture,		
	Consortium or Association, shall satisfic only one bid, either in its own name or, if a joint venture, Consortium or Association.		
	Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the		
	following:		
	a) they have at least one controlling partner, director or shareholder in common; or b) any one of		
	them receive or have received any direct or indirect subsidy from the other/s; or		
	b) they have the same legal representative for purposes of this RFQ; or c) they have a relationship with each other, directly or through common third parties, that puts them		
	in a position to have access to information about, or influence on the Bid of, another Bidder regarding		
	this RFQ process;		
	d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid		
	under its name as lead Bidder; or		
	e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid		
	received for this RFQ process. This condition relating to the personnel, does not apply to		
Duties and	subcontractors being included in more than one Bid.  Article II. Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the		
Duties and taxes	Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United		
tunes	Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from		
	The state of the s		

	customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below:  All prices must:  including VAT
Language of	English and/or Russian
quotation	Including documentation and including catalogues, instructions and operating manuals as applicable
Documents	Bidders shall include the following documents in their quotation:
to be	☑ Annex 2: Quotation Submission Form duly completed and signed
submitted	<ul><li>☑ Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1</li></ul>
	☑ Company profile (describing the nature of business, relevant experience, licenses, certifications, accreditations (as applicable)
	☐ Business Registration certificate
	☐ Bank details (Bank Account Requisites for US Dollar/ KZT, issued on a recipient Bank's blank page)
	☑ Written confirmation of warranty on the equipment and further technical maintenance for 12 (twelve) months duration for computer & interactive equipment and not less than 12 months for other equipment in the mode of 12 hours per a day, 7 days a week, 365 days in a year.
	☑ Written confirmation of availability of experts with relevant traineeship and expertise on technical support of the products and solutions of the system.
	☑ Written confirmation that after obtainment of verbal or written request of the Customer about the identified defect, the supplier shall provide the specialist to arrive to the destination within 3 (three) hours to accomplish the repair under warranty within a deadline of no more than 1 (one) day since enregistering of the written request of the Customer, received either by mail or e-mail with due consideration of available spare parts and components.
	<ul> <li>☑ For LOT1: Mandatory research for compliance with information security requirements and the issuance of a certificate for subparagraphs (items 1.1., 1.2., 1.3., 1.4., 1.5., 1.6., 1.7.1., 1.7.2., 1.7.3.)</li> <li>☑ For LOT2: Mandatory research for compliance with information security requirements and the issuance of a certificate for subparagraphs (items 2.2, 2.4, 2.5.1, 2.5.3.)</li> </ul>
	<ul> <li>☑ Details on implementation (the supplier shall accomplish the equipment delivery and certification</li> </ul>
	of goods (where applicable) within 6 (six) months, precisely, 180 days since the contract signing
Quotation	Quotations shall remain valid for 90 days from the deadline for the Submission of Quotation.
validity period	Quotations shall remain valid for so days from the dedaline for the susmission of Quotation.
Price	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market
variation	factors shall be accepted at any time during the validity of the quotation after the quotation has been received.
Partial	☑ Permitted (LOT 1, LOT 2 and LOT 3)
Quotes	
Alternative	
Quotes	
Payment	☑ 100% within maximum 30 days after receipt of goods, works and/or services and submission of
Terms	payment documentation
	Contract with local companies will be issued in local currency based on UNORE
	https://treasury.un.org/operationalrates/OperationalRates.php#K at the date of issuance of the
	Contract. Payment to local companies will be made in local currency
Conditions	☐ Passing Inspection of technical specifications in accordance with RFQ requirements
for Release	☑ Written Acceptance of Goods based on full compliance with RFQ requirements
of Payment	
Contact	Karina Yamashita, Ms.
Person for	Procurement Associate
corresponde	E-mail address: karina.amralina@undp.org
nce,	
•	

notifications	Attention: Quotations shall not be submitted to this address but to the address for quotation		
and	submission above. Otherwise, offer shall be disqualified.		
clarifications	Any delay in UNDP's response shall be not used as a reason for extending the deadline for		
	submission, unless UNDP determines that such an extension is necessary and communicates a new		
	deadline to the Proposers.		
Clarifications	Requests for clarification from bidders will not be accepted any later than 3 days before the		
	submission deadline. Responses to request for clarification will be communicated electronically by		
	26 August 2022		
Evaluation	☑The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer		
method			
Evaluation	□ Full compliance with all requirements as specified in Annex 1		
criteria	☑ Full acceptance of the General Conditions of Contract		
Right not to	UNDP is not bound to accept any quotation, nor award a contract or Purchase Order		
accept any			
quotation			
Right to vary	At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or		
requirement	decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of		
at time of	the total offer, without any change in the unit price or other terms and conditions.		
award			
Type of	☑ Purchase Order/Contract for Goods and/or Services		
Contract to			
be awarded			
Expected	01 October 2022		
date for			
contract			
award.			
Publication	UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO		
of Contract	and the corporate UNDP Web site.		
Award			
Policies and	This RFQ is conducted in accordance with <u>UNDP Programme and Operations Policies and Procedures</u>		
procedures			

#### **ANNEX 1: SCHEDULE OF REQUIREMENTS**

The tender aims purchasing and delivery of computer & interactive equipment for the Situation Center at the premises of the Headquarters of the Border Service of the National Security Committee of the Republic of Kazakhstan in Nur-Sultan. It shall include the delivery and basic instructions on equipment exploitation.

The Situation Center equipment system comprises a number of sub-systems that represent a complex of video display devices forming a videowall, multifunctional multi-monitor working places for operators and supervisor, control devices for managing the video streams and display modes of information, network infrastructure, integrated with the central data transmission network of the Border Service, telecommunication sub-systems (videoconference and IP) integrated with local systems of border objects, acoustic sub-systems, integration modules like video surveillance system, monitoring system (transport, cargos), data collection and processing system (container.com, ArcGis), access control and management, GIS and etc.

#### **Technical Specifications for Goods/Services:**

# LOT 1: INFORMATION DISPLAY SUBSYSTEM, AUDIO AND VIDEO SIGNAL SOURCES AND ARM EQUIPMENT

No.	Name of technical equipment /	Specifications	Quantity
	characteristics		(pcs.)
1	Information display subsystem	•	·
1.1.	Motorized retractable monitor		1 (one)
	Permission	Full HD (1920 × 1080)	
	Monitor type	sensory	
	Diagonal	not less than 15.6 "	
	Body design	super thin	
	Fixed tilt function	Desirable	
	Mounting kit for table mounting	Availability is required	
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.2.	Tribune interactive display		1 (one)
	Diagonal	not less than 21.5 "	
	Monitor type	sensory	
	Format	16: 9	
	Permission	Full HD (1920 x 1080)	
	Viewing angle	Not less than 178 degrees	
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.3.	Back-up display		9 (nine)
	Diagonal	At least 65 "	
	Permission	Ultra HD (3840 x 2160)	
	Brightness	not less than 500 cd / m2	
	Video format support	HEVC	
	Contrast (DFC)	At least 500,000: 1	
	Displayed colors	Better than 1.07 billion, 10 bits	
	Viewing angles (H / V)	178: 178	
	Orientation	Portrait / landscape	
	Interfaces	At least 3 HDMI,	
		1 DP	

		1 DVI	
		1 audio input	
		1 USB	
		1 RJ45 1 RS232C	
	Durat must satism	1 infrared port	
	Dust protection	Necessarily	
	Adjustable tilt angle	Necessarily	
	Automatic screen rotation	Necessarily	
	Email support	Necessarily	
	USB - plugin	Necessarily	
	Remote Control	Necessarily	
	AV controller compatibility	Necessarily	
	function		
	Video conferencing system	Necessarily	
	compatibility function		
	Built-in acoustics	Necessarily	
	Power Supply	built-in	
	Weight without stand	Not more than 28.5 kg	
	Wall mount included	Necessarily	
	Accessories	Remote control	
		Power cable	
		HDMI cable	
		IR receiver	
		Instructions	
		Adapter for connection to RS232C input	
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.4.	Workstation monitors		41 (forty
	Diagonal	23.8``-24 "	one)
	Display	IPS 1920x1080	
	Pixel response time	No more than 5ms	
	Connectors	Display Port / HDMI / VGA	
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.5.	Interactive display		2 (two)
	Diagonal	55 "	
	Permission	3840 x 2160	
	Brightness, cd / m2	300 ± 20 (without glass)	
		220 ± 20 (with glass)	
	Contrast	4700: 1	
	Viewing angles (H / V)	178: 178	
	Response time	No more than 8 ms	
	Mobile stand with mount	Included	
	(special check of equipment	Necessarily	
	according to clause 1.8.)	,	
1.6.	Ultra short throw projector		1 (one)
1.0.	LCD technology used	3 P-Si TFT	1 (0116)
	LCD display	Not less than 0.55 "	<del> </del>
	Original XGA Resolution	1024x768	
	Original AGA Resolution	10248/00	

	Basic aspect ratio	4: 3	
	Support for image formats	16: 9	1
	0.1	16:10	
	Focusing	manual	
	Minimum focal length, mm	3.71	1
	Focal length (digital)	Range is not less than 1-1.35	1
	Diagonal image size at minimum	Not less than 1.42	1
	distance to the screen, m		
	Diagonal image size at maximum	Not less than 2.37	]
	distance to the screen, m		
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.7.	Sources of audio and video signals	and workstation equipment	
1.7.1.	System unit		13
	A type	MicroTower	(thirteen)
	CPU	Intel Core i5 - 9xxx or better, 3.0 GHz or higher	
	RAM	At least 8 GB	
	Optical device	DVD + R / RW & CDRW	
	Storage device	1000 GB or more (SSD)	]
	Video adapter type	Built in	]
	Built-in video adapter	No worse than Intel UHD Graphics 630	]
	Optional accessories	Wired mouse, Wired keyboard	]
	Operating system	Microsoft Windows 10 Pro	]
	Network interface	Gigabit Ethernet (10/100/1000 Mbps)	]
	(special check of equipment	Necessarily	
	according to clause 1.8.)		
1.7.2.	System unit		5 (five)
	A type	MicroTower	
	CPU	Intel Core i7 - 9xxx or better, 3.0 GHz or higher	
	RAM	At least 8 GB	
	Optical device	DVD + RW	
	Storage device	256 GB or more (SSD)	
	Video adapter type	Built in	
	Built-in video adapter	No worse than Intel UHD Graphics 630	
	Optional accessories	Wired mouse, Wired keyboard	
	Optional accessories Operating system	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit)	
	Optional accessories Operating system Network interface	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps)	
	Optional accessories Operating system Network interface (special check of equipment	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit)	
	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.)	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps)	
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU Operating system	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit)	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU Operating system RAM	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU Operating system RAM Intel Integrated Graphics	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU Operating system RAM Intel Integrated Graphics Storage device	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily 256 GB or more (SSD)	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.)  Mini PC CPU Operating system RAM Intel Integrated Graphics Storage device Power adapters	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily 256 GB or more (SSD) Necessarily	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.)  Mini PC CPU Operating system RAM Intel Integrated Graphics Storage device Power adapters Network interface	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily 256 GB or more (SSD) Necessarily Gigabit Ethernet (10/100/1000 Mbps)	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.) Mini PC CPU Operating system RAM Intel Integrated Graphics Storage device Power adapters Network interface (special check of equipment	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily 256 GB or more (SSD) Necessarily	2 (two)
1.7.3.	Optional accessories Operating system Network interface (special check of equipment according to clause 1.8.)  Mini PC CPU Operating system RAM Intel Integrated Graphics Storage device Power adapters Network interface	Wired mouse, Wired keyboard Microsoft Windows 10 Pro (64-bit) Gigabit Ethernet (10/100/1000 Mbps) Necessarily  No worse than Intel i3 Microsoft Windows 10 Pro (64-bit) 8 GB DDR4 or more Necessarily 256 GB or more (SSD) Necessarily Gigabit Ethernet (10/100/1000 Mbps)	2 (two)

	Republic of Kazakhstan, Z10M9Y9,	service
	Nur-Sultan, 48 Zheltoksan street with	
	mandatory research for compliance with	
	information security requirements and the	
	issuance of a certificate for subparagraphs	
	(items 1.1., 1.2., 1.3., 1.4., 1.5., 1.6., 1.7.1.,	
	1.7.2., 1.7.3.)	

## LOT 2: INTEGRATED CONTROL SUBSYSTEM, SWITCHING SUBSYSTEM

2	Integrated control subsystem		
2.1.	POE injector for system control controller		1 (one)
	A type	PoE power supply, universal	
	Power	100-250VAC	
2.2.	System management controller		1 (one)
	RAM	256 MB or more, DDR3 SDRAM	
	Flash memory	At least 4 GB	
	Supports USB storage devices	Necessarily	
	Power over Ethernet (PoE)	Necessarily	
	Controls and Indicators	Availability is required	
	(special check of equipment	Necessarily	
	according to clause 2.6)		
2.3.	Lighting control module		1 (one)
	A type	8-channel lighting control module	
	Types of connected loads	incandescent, magnetic low voltage, electronic	
		low voltage, neon / cold cathode, fluorescent,	
		electric motors	
	Controls and Indicators	1 - 8 red LEDs / NETID / SETUP / OVR / PWR /	
		NET / RESET	
	Power 24V DC		
2.4.	4-port converter		1 (one)
	A type	4-port RS-232/422/485 to Ethernet converter	
	Ethernet ports	1 x Ethernet 10/100 Base T (X) (RJ45	
		connector)	
	Connector type	RJ45 (8 pins)	
	Management interface	Supports Telnet Console / Web Interface /	
		Windows Utility / Reset Button	
	Magnetic isolation of Ethernet ports	1.5kV	
	Support for network protocols	ICMP, IPv4, TCP, UDP, DHCP, BOOTP, Telnet,	1
		DNS, SNMP V1, HTTP, SMTP, SNTP, Rtelnet,	
		ARP	
	Working voltage	12 ~ 48 VDC	
	Power socket	Terminals, concentric plug	
	(special check of equipment	Necessarily	
	according to clause 2.6)		
2.5.	Switching subsystem		
2.5.1.	Matrix switcher		1 (one)
	Interfaces	8 x HDMI Type A Female	

	Impedance	100 Ώ	
	Connectors	RS-232, Rj-45, stereo miniature jack, AC jack	1
	(special check of equipment	Necessarily	
	according to clause 2.6)	,	
2.5.2.	HDMI Twisted Pair Kit		12
	Interfaces	At least 1 HDMI Type A connector	(twelve)
	Impedance	100 Ώ	
	Video	HDMI	
		(3D, Deep Color, 4K) / HDCP Compliant / 4K	
		Support)	
	Power	At least 1 DC power connector, locking	
	With cable included	Necessarily	
2.5.3.	Switch		1 (one)
	A type	HDMI 4: 1	
	Resolution support	Ultra HD 4Kx2K	
	HDMI support (3D, Deep Color, 4kx2k)	Necessarily	
	HDCP support	Necessarily	]
	Auto Switching mode for automatic port selection	Necessarily	
	Consumer Electronics Control (CEC)	Necessarily	
	support		
	Dolby True HD and DTS HD Master	Necessarily	
	Audio support		
	Instantly switch between HDMI input sources	Necessarily	
	IR extension support when using an	Necessarily	
	optional IR cable	Necessarily	
	(special check of equipment	Necessarily	
	according to clause 2.6)	,	
2.5.4.	Splitter		6 (six)
	A type	HDMI 4K 2-port	
	HDMI support (3D, Deep Color, 4k)	Necessarily	
	HDCP support	Necessarily	
	Power	1 or more DC power connector	
2.5.5.	Video splitter		1 (one)
	A type	1/10	
	Max. permission	4096 x 2160	
	HDCP support	Necessarily	
	Control	RS-232	
2.5.6.	Patch cables, mounting elements, a	ccessories and consumables	1 (one)
	A set of cables, mounting	Necessarily	
	elements, accessories and	Note:	
	consumables	cables are required for installation and	
		connection of the listed equipment (items 4.1-	
		4.5) to video signal sources. The calculation of	
		the need for cable products is calculated	
		according to the formula: the number of	
		equipment multiplied by the number of ports	
		indicated in the description of the equipment,	

		which in total is: one.HDMI cable type A, length at least 25 m 36 pcs. 2.HDMI cable type A, length at least 5 m 24 pcs. Mounting elements, accessories and consumables should be provided during the equipment installation process.	
2.6.	Equipment delivery	Delivery to destination: Republic of Kazakhstan, Z10M9Y9, Nur-Sultan, 48 Zheltoksan street with mandatory research for compliance with information security requirements and the issuance of a certificate for subparagraphs (items 2.2, 2.4, 2.5.1, 2.5.3.)	1 (one) service

#### **LOT 3: SUPPLEMENTARY EQUIPMENT**

3.1.	Lamp for projector		1 (one)
	Lamp type	Smart UX60	
3.2.	Mobile stand for interactive display		1 (one)
	Display diagonal size	for diagonals 55 "-80"	
	Maximum load	90.9 kg	
	Height adjustment	1350-1650 mm	
	The presence of a cable	Necessarily	
	channel inside the poles		
	Height adjustable shelf	Necessarily	
	Locking wheels	Necessarily	
3.3.	bracket		9 (nine)
	Possible size of monitors /	75-100 mm	
	interactive tablets for		
	mounting		
3.4.	Telecommunication rack		1 (one)
	Form Factor	42U	
	Dimensions (W * D)	800x1000 + grounding set	
4	Accompanying service		1 (one) service
4.1.	Equipment delivery	Delivery to destination:	
		Republic of Kazakhstan, Z10M9Y9,	
		Nur-Sultan, 48 Zheltoksan street	

### **Delivery Requirements**

Delivery Requirements		
Delivery date and time	Bidder shall accomplish equipment delivery and certification (where necessary) within 6 (six) months, precisely, 180 days after the contract signing	
Delivery Terms (INCOTERMS 2020)	⊠ DDP	
<b>Customs clearance</b>	Shall be done by:	
(must be linked to INCOTERM	⊠ Supplier/bidder	

Exact Address(es) of	Republic of Kazakhstan, Z10M9Y9,
Delivery Location(s)	Nur-Sultan, st. Zheltoksan 48
Distribution of shipping	N/A
documents (if using	
freight forwarder)	N/A
Packing Requirements	N/A
Training on Operations and Maintenance	Basic instructions
	The supplier shall provide in written the confirmation of warranty on the equipment and further technical maintenance for 12 (twelve) months duration for computer & interactive equipment and not less than 12 months for other equipment in the mode of 12 hours per a day, 7 days a week, 365 days in a year.
Warranty Period	After obtainment of verbal or written request of the Customer about the identified defect, the supplier shall provide the specialist to arrive to the destination within 3 (three) hours to accomplish the repair under warranty within a deadline of no more than 1 (one) day since enregistering of the written request of the Customer, received either by mail or email with due consideration of available spare parts and components. The letter with confirmation of warranty shall be included into the commercial offer upon submission.
	The vendor shall provide information on available local service and maintenance center in the Republic of Kazakhstan - address, contact details - in the price quotation.
After-sales service and local service support requirements	After obtainment of verbal or written request of the Customer about the identified defect, the supplier shall provide the specialist to arrive to the destination within 3 (three) hours to accomplish the repair under warranty within a deadline of no more than 1 (one) day since enregistering of the written request of the Customer, received either by mail or email with due consideration of available spare parts and components.  The letter with confirmation of warranty shall be included into the commercial offer upon submission.
Preferred Mode of Transport	Land, Air