

**Ministry of Transport and Communications of the
Kyrgyz Republic**

**Loan 3432/ Grant 0496 - CAREC Corridors 1 and
3 Connector Road Project**

**REQUEST FOR QUOTATIONS
– SUPPLY OF FACILITIES AND EQUIPMENT
(CONFERENCE HALL)**

April 23, 2024



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№ 14-9/254
На № _____

«23» 04 2024 ж. (г.)

REQUEST FOR QUOTATION - GOODS (RFQG)

Project Title : *Loan 3432/ Grant 0496 - CAREC Corridors 1 and 3 Connector Road Project*
Contract Ref : CRP/SH/G3/2024

Dear Sir/Madam:

1. *The Ministry of Transport and Communications of the Kyrgyz Republic (Purchaser) hereby requests you to submit price quotation/(s) for the supply of the following items:*

Conference equipment

- (i) Central equipment – 1 unit;
- (ii) Chairman Control Panel– 1 unit;
- (iii) Delegate Control Panel– 14 units;
- (iv) Cables and Accessories for Conference Systems: 6P-DIN plug/socket (40 m) – 1 unit;
- (v) Cables and Accessories for Conference Systems: 6P-DIN plug/socket (10 m) – 1 unit;
- (vi) Cables and Accessories for Conference Systems: 6P-DIN plug/socket (5 m) – 1 unit;
- (vii) Detachable Microphone for Delegate Control Panel – 15 units;
- (viii) PTZ Video camera for conferences – 2 unit;
- (ix) Camera Control Joystick (Control Panel) – 1 unit;
- (x) Video matrix– 1 unit.

Sound equipment

- (xi) Broadcast audio power amplifier professional – 1 unit;
- (xii) Wall-mounted two-way cabinet speakers – 6 units;
- (xiii) Acoustic cable in a coil – 100 meters;
- (xiv) Vocal wireless radio system – 1 unit;
- (xv) Mixing console – 1 unit.

Additional equipment/works:

- (xvi) SDI to HDMI converter – 1 unit;
- (xvii) Video Capture Device – 1 unit;
- (xviii) Dual-Band Wi-Fi Router – 1 unit;
- (xix) Projector – 1 unit;
- (xx) TV (90-inch) with wall mounting bracket – 3 units.

Interactive equipment

- (xxi) INTERACTIVE PANEL– 1 unit;

- (xxii) Mobile stand with universal VESA bracket for interactive panel – 1 unit;
- (xxiii) Studio Microphone – 1 unit;
- (xxiv) Sound card – 1 unit;
- (xxv) Active Acoustic System (Pair/2 speakers) – 1 unit;
- (xxvi) Personal Computer – 1 unit;
- (xxvii) PTZ-CAMERA FOR VIDEO CONFERENCES – 1 unit;
- (xxviii) IP conference phone – 2 unit;
- (xxix) Installation/Additional Consumables – 1 unit.

To assist you in the preparation of your price quotation we enclose the necessary **Supply and Delivery Schedule, Technical Specifications, Form of Quotation** and draft **Contract**.

2. If you/your firm, however, falls under any of the following conditions, your proposal shall not be considered:
 - (a) you/your firm are/is not a citizen/national of an ADB member country, or
 - (b) you/your firm have/has been associated with the firm that prepared the design and specifications, or engaged in the preparation of the Project for which the contract that is subject of this request for quotations was identified, or
 - (c) you/your firm are/is owned by the Purchaser, or
 - (d) you/your firm are/is currently sanctioned or temporarily suspended by the Asian Development Bank for a violation of its Anticorruption Policy (1998, as amended to date), or
 - (e) the importation of goods or services from your country or any payment to persons or entities in your country is prohibited in compliance with a decision of the United Nations Security Council under Chapter VII of the Charter of the United Nations.
3. To be qualified, you must have experience as a manufacturer or authorized supplier of the items covered by this **Request for Quotation** and, as evidence, you must also attach a document of your experience as supplier in at least 1 (one) contract in the last 3 years of a size and nature similar to the items in the supply schedule of this contract.
4. Your quotation should be submitted in accordance with the following instructions, procedures, and the terms and conditions of the **Contract**.

Preparation of Quotations

- (a) Your price quotation/(s) shall be for all the items as described in attached documents and submitted only in the attached **Form of Quotation** with the priced **Supply, Delivery and Price Schedule**. The currency of quoted prices and payment shall be in **Kyrgyz som (KGS)**.
- (b) The prices should be quoted for supply and delivery to
Ministry of Transport and Communications of the Kyrgyz Republic,
6th floor, office 601 and/or 608
42 Isanov str., Bishkek, 720017
Kyrgyz Republic

and should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information (in Russian language) for each item quoted, including names and addresses of firms providing after-sales service facilities in Bishkek, Kyrgyz Republic.
- (c) You shall submit only one set of quotations for the above items. Your quotation must be typed or written in indelible ink and shall be signed by you or your authorized representative. Without a

signature in your **Form of Quotation**, your quotation will not be considered further.

- (d) You shall submit one original of the **Form of Quotation**, and clearly marked "Original". In addition, you shall also submit one copy marked as "COPY". In case of any discrepancy between the Original and Copy, the original shall prevail.
- (e) Your quotation(s) should be valid for a period of 60 days from the deadline for submission of the quotation/(s) as indicated below. If you withdraw your quotation during the validity period and/or refuse to accept the award of a contract when and if awarded, then you will be excluded from the list of Suppliers for the project for two years.

Submission and Opening

- (f) Your **Form of Quotation** with the priced **Supply and Delivery Schedule** should be submitted by **May 10, 2024, 5.00 PM Bishkek time** with the required documents that should be signed, sealed in an envelope and addressed to and delivered to the following address:

Purchaser's Address: Ministry of Transport and Communications of the Kyrgyz Republic,
Kyrgyz Republic, 720017, Bishkek,
6th floor, office 601 and/or 608
42 Isanov str., Bishkek, 720017
Telephone: +996 312 900-970
Fax: +996 312 314-378

- (g) Quotations shall be opened in public, in the presence of participating suppliers' representatives who choose to attend, on *same date as for quotation submission* at **May 10, 2024, 5.15 PM Bishkek time** and at the following address: *The Ministry of Transport and Communications of the Kyrgyz Republic, Kyrgyz Republic, Bishkek, 6th floor, Conference-Hall.*

Evaluation and Comparison

- (h) Quotations determined to be substantially responsive to this **Request for Quotation** will be evaluated by comparison of their offer prices. A quotation is not substantially responsive if it contains material deviations or reservations to the terms, conditions, and specifications in this **Request for Quotation**.
 - (i) In evaluating the quotations, the Purchaser will adjust for any arithmetical errors as follows:
 - (i) where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - (ii) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- If you refuse to accept the correction, your quotation will be rejected.

Award of Contract

- (j) The Purchaser shall award the contract to the Supplier whose quotation has been determined to be substantially responsive to this **Request for Quotation** and who has offered the lowest price quotation.
 - (k) The Supplier whose quotation has been accepted will be notified by the Purchaser within **55 days** from the date of submission of quotation through the return of a copy of the **Form of Quotation** with **Acceptance** signed by the authorized representative of the Purchaser.
 - (l) The successful Supplier shall sign the **Contract** governed by the **Contract Terms and Conditions**.
5. Further information can be obtained from:
- Name : Sanjar Ibraimov, Head of the Project Implementation Unit,
Ministry of Transport and Communications of the Kyrgyz Republic,

Kyrgyz Republic

Address : 720017, Bishkek, Isanov str., 42,6th floor, office 601
Telephone : +996 312 900-970
Fax : +996 312 314-378

6. The Purchaser intends to apply funds from the **Asian Development Bank (ADB)** for eligible payments under the **Contract** resulting from this **Request for Quotation**.
7. Under **ADB's Anticorruption Policy** (1998, as amended to date), suppliers shall observe the highest standard of ethics during the procurement and execution of such contracts. ADB may reject a proposal for award, and may impose sanctions or other remedial actions on parties involved, if it determines that the supplier recommended for award or any other party, directly or through an agent, has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for, or in executing, the Contract. At the time of submission of your quotation, you should not be in ADB's sanctions list. A firm/individual shall not be eligible to participate in any procurement activities under an ADB-financed, -administered, or -supported project while under temporary suspension or debarment by ADB pursuant to its Anticorruption Policy, whether such debarment was directly imposed by ADB, or enforced by ADB pursuant to the Agreement for Mutual Enforcement of Debarment Decisions.
8. You/your firm, joint venture partners, associates, parent company, affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, are not, or have never been, temporarily suspended, debarred, declared ineligible, or blacklisted by the purchaser's country, any international organization, and other donor agency.

If so debarred, declared ineligible, temporarily suspended, or blacklisted, please state details (as applicable to each joint venture partner, associate, parent company, affiliate, subsidiaries, subcontractors, and/or suppliers):¹

- (a) Name of Institution: _____
- (b) Period of debarment, ineligibility, or blacklisting (start and end date): _____
- (c) Reason for the debarment, ineligibility, or blacklisting: _____

9. You/your firm's, joint venture partners', associates', parent company's affiliates' or subsidiaries', including any subcontractors' or suppliers', key officers and directors have not been [charged or convicted] of any criminal offense (including felonies and misdemeanors) or infractions/violations of ordinance which carry the penalty of imprisonment.

If so charged or convicted, please state details:²

- (a) Nature of the offense/violation: _____
- (b) Court/Area of jurisdiction: _____
- (c) Resolution (i.e. dismissed; settled; convicted/duration of penalty): _____
- (d) Other relevant details:

10. You/your firm understands that it is your obligation to notify ADB should you/your firm, joint venture partners, associates, parent company, affiliates or subsidiaries, including any Subcontractors or Suppliers, be temporarily suspended, debarred or become ineligible to work with ADB or any other multilateral development banks, the purchaser's country, international organizations, and other donor agencies, or any of your key officers and directors be charged or convicted of any criminal offense or

¹ Any such disclosure shall be forwarded by the Purchaser to ADB.

² Any such disclosure shall be forwarded by the Purchaser to ADB.

infractions/violations of ordinance which carry the penalty of imprisonment.

11. Any misrepresentation that knowingly or recklessly misleads, or attempts to mislead may lead to the automatic rejection of the quotation/bid or cancellation of the contract, if awarded, and may result in remedial actions, in accordance with ADB's Anticorruption Policy (1998, as amended to date) and Integrity Principles and Guidelines (2015 as amended from time to time).
12. A bidder shall not have a conflict of interest. All bidders found to have a conflict of interest shall be disqualified.
13. Please confirm by fax/e-mail the receipt of this request and whether or not you will submit the price quotation(s).

Best regards,

Deputy Minister

A handwritten signature in blue ink, appearing to read 'Y. Bariev', is positioned between the text 'Deputy Minister' and 'Y. Bariev'.

Y. Bariev

Attachment 1

SUPPLY AND DELIVERY SCHEDULE

Item	Description	Unit	Quantity	Unit Price	Total Price	Delivery Schedule
1. Conference equipment						
1.1.	Central equipment	unit	1			No more than 60 days from the date of contract signing
1.2	Chairman Control Panel	unit	1			No more than 60 days from the date of contract signing
1.3	Delegate Control Panel	unit	14			No more than 60 days from the date of contract signing
1.4	Cables and Accessories for Conference Systems	unit	3			No more than 60 days from the date of contract signing
1.5	Detachable Microphone	unit	15			No more than 60 days from the date of contract signing
1.6	Video camera	unit	2			No more than 60 days from the date of contract signing
1.7	Camera Control Joystick	unit	1			No more than 60 days from the date of contract signing
1.8	Video matrix	unit	1			No more than 60 days from the date of contract signing
2. Sound equipment						

2.1	professional, high-quality amplifier		1			No more than 60 days from the date of contract signing
2.2	Wall-mounted two-way cabinet speakers		6			No more than 60 days from the date of contract signing
3.	Cables		100m			No more than 60 days from the date of contract signing
4.	Radio system		1			No more than 60 days from the date of contract signing
5.	Mixer		1			No more than 60 days from the date of contract signing
3. Additional equipment/works						
3.1	Converter		1			No more than 60 days from the date of contract signing
3.2	Video Capture Device		1			No more than 60 days from the date of contract signing
3.3	TV with Wall Mount Kit		1			No more than 60 days from the date of contract signing
3.4	Router		1			No more than 60 days from the date of contract signing
3.5	Epson Projector		1			No more than 60 days from the date of contract signing
4. Interactive equipment						
4.1	Interactive panel		1			No more than 60 days from the date of contract signing
4.2	Universal mobile stand with mix wheels and universal vesa mount		1			No more than 60 days from the date of contract signing
4.3	Studio microphone		1			No more than 60 days from the date of

						contract signing
4.4	Audio Interface		1			No more than 60 days from the date of contract signing
4.5	Active Acoustic System		1			No more than 60 days from the date of contract signing
4.6	Personal computer		1			No more than 60 days from the date of contract signing
4.7	PTZ-Camera for video conferencing		1			No more than 60 days from the date of contract signing
	Conference phone		2			No more than 60 days from the date of contract signing
5.	Installation/Additional Consumables		1			
	Total					

Note:

1. All specified technical parameter requirements are minimal with a possible upward variation of 10 percent
2. Videoconferencing equipment should be compatible and support all modern platforms such as **MS Teams, Zoom, WebEx and others;**
3. The color of the products to be delivered is subject to agreement in the course of contract negotiations;
4. The warranty period for the equipment shall be three (3) years, (36 months).

Attachment 2

TECHNICAL SPECIFICATIONS

No.	Name of equipment	Specification	Qty	Price per unit, som	Total Amount, som
		Conference equipment			
1	Central equipment	<p>CENTRAL UNIT OF A DIGITAL CONFERENCE SYSTEM WITH THE FUNCTION OF AUDIO RECORDING OF SPEECHES</p> <ul style="list-style-type: none"> • Number of connected remote controls: up to 50 remote controls per central unit (2 lines of 25 remote controls each), up to 254 remote controls when using expansion units • Built-in WEB Server for System Management via Internet Browser • Discussion Function • System Management for Video Monitoring • Speech Recording Function • Support for Automatic Video Tracking • Method of controlling settings: using knobs and control buttons on the front panel • Front panel display: 256x64 graphical OLED display for displaying settings menus and system status • Cable type for connecting system components: CBL-6PS/PT cables with 6P-DIN connectors, compatible with S-UTP Cat.5 • TCP/IP management interface <p>INPUTS/OUTPUTS (CONNECTOR TYPE)</p> <ul style="list-style-type: none"> • balanced analog input (XLR connector) • unbalanced analog input (2 RCA connectors) • balanced analog output (XLR connector) • unbalanced analog output (2 RCA connectors) • USB interface and SD card slot - for recording performances on the second, without interruption) • USB port for updating the system and saving system parameters • RS-232 COM port for connection to a central control system • standard RJ45 connector for connection to the control computer via TCP/IP protocol • terminals for connecting a video switch 	1		

			<ul style="list-style-type: none"> 2 6P-DIN Female connectors for connecting system components 		
2	Chairman Control Panel		<p>MICROPHONE</p> <p>Frequency Response: 80 Hz–18 kHz Transducer: Electret Condenser Polar Pattern: Supercardioid Unidirectional Sensitivity: -46 dBV/Pa Directionality 0°/180°: > 20 dB (1 kHz) Equivalent Noise: 20 dBA (sound pressure level) Maximum Sound Pressure Level: 125 dB (distortion coefficient <3%) Input Impedance: 2 kΩ</p> <p>HEADPHONES</p> <p>Impedance: > 16 Ω Output: 10 mW Frequency Response: 40 Hz–16 kHz</p> <p>CONNECTIONS</p> <p>1.5-meter cable with 6P-DIN connector 3.5mm stereojack 0.6-meter cable with 6P-DIN connector (socket)</p>	1	
3	Delegate Control Panel		<p>MICROPHONE</p> <p>Frequency Response: 80 Hz–18 kHz Transducer: Electret Condenser Polar Pattern: Supercardioid Unidirectional Sensitivity: -46 dBV/Pa Directionality 0°/180°: > 20 dB (1 kHz) Equivalent Noise: 20 dBA (Sound Pressure Level) Maximum Sound Pressure Level: 125 dB (Distortion Coefficient <3%) Input Impedance: 2 kΩ</p> <p>HEADPHONES</p> <p>Impedance: > 16 Ω Output: 10 mW Frequency Response: 40 Hz–16 kHz</p> <p>CONNECTIONS</p> <p>1.5-meter cable with 6P-DIN connector 3.5mm stereojack 0.6-meter cable with 6P-DIN connector (socket)</p>	14	
4	Cables and Accessories for Conference System		<p>Connectors: 6P-DIN plug - 6P-DIN socket Length: 40 m</p>	1	

5	Cables and Accessories for Conference System	Connectors: 6P-DIN plug - 6P-DIN socket Length: 10 m	1	
6	Cables and Accessories for Conference System	Connectors: 6P-DIN plug - 6P-DIN socket Length: 5 m	1	
7	Detachable Microphone for Delegate Control Panel	Type: Type: electret condenser Black Indicator light: two-color, red/green Number of flexible sections: 1 Directionality: narrowly directional 0°/180°: >20dB (1kHz)" Sensitivity: -46dB at 680Ω Bandwidth: 50Hz-20kHz Output impedance: 2kΩ Power supply voltage: 5V Stand length: 41cm. Weight: 95g Wind protection: yes Compatible with supplied delegate control panels: yes	15	
8	PTZ video camera for conferences	ELECTRICAL CHARACTERISTICS Video Sensor: 1/2.8 HD CMOS Effective Matrix Pixels: 5 MP Video Standards: HD - 1080p60, 1080p50, 1080p30, 1080p25, 1080i60, 1080i50, 720p60, 720p50, 720p30, 720p25 Shutter Speed: 1/60–1/10000 s (60 Hz), 1/50–1/10000 s (50 Hz) Minimum Illumination: 0.5 lux (50IRE, F1.6) Horizontal Viewing Angle: 61° (wide) Zoom: 20x Optical + 12x Digital Noise Suppression: available Synchronous Transmission Mode: Inter-sync Illumination: On/Off/Auto Video Output: HD-SDI, HDMI Multi-Output Video: Synchronous output of 2 HD videos and 1 IP video Ethernet Interface: Adaptive Ethernet port 10M/100M Control Protocol: PELCO-D, VISCA Control Interface: RS-485, RS-232 Video Signal Encoding Standard: H.265, H.264 Number of memorized preset positions (presets): 64 Data Transmission Rate: Variable (128–8192 Kbps) / Fixed Frame Rate: 50 Hz 1–50 fps, 60 Hz 1–60 fps	1	

			<p>Address Range: 0 ~ 255 Power Supply: 12 V (DC) Power Consumption: Less than 10 W MECHANICAL CHARACTERISTICS Mounting: Desktop or ceiling Dimensions (H x W x D): 170 x 260 x 163 mm Color: Gray</p>		
9	Camera Control Joystick		<p>Camera control protocol: VISCA/PELCO-D/P Power Supply: 12V, 1A Dimensions: 155 x 355 x 150mm Preset capability for pan/tilt, zoom, and white balance LCD screen for information display and prompts Six-axis joystick, 28 backlit functional keys</p> <p>MAIN CHARACTERISTICS Supported video standards SMPTE 259M, SMPTE 292M, SMPTE 344M, SMPTE 424M, DVB-ASI (170 Mbps) Number of input channels (connector types) 4 video inputs (BNC connectors) Number of output channels (connector types) 4 video outputs (BNC connectors) Method for controlling settings Using the control buttons on the front panel Front panel display 256 x 32 graphic LCD, backlit, Communication protocol RS-RS-422/485 Supports control protocols for video cameras from various manufacturers TAIDEN, SONY, PANASONIC, PELCO D/P Bandwidth/transmission speed 143 Mbps - 2.97 Gbps Control interface RS-232, TAINET, TCP/IP Input impedance 75 ohms Supply voltage 110/220 V Weight 2.7 kg Dimensions (WxHxD) 483x208x43 mm</p>	1	
10	Video matrix (High resolution digital video matrix switcher)			1	
Sound equipment					
1	Professional broadcast audio power amplifier		<p>Power: 240W High voltage operation: 100V Low impedance operation: 4-16ohm (mono) Input: XLR (f) / EuroBlock</p>	1	

		<p>Link Out: XLR (m) / EuroBlock Rack-Mountable: available Power supply: ~220 V / 50/60 Hz Overall dimensions: 440 x 383 x 89 mm Protection: Overheat, overload, and short circuit protection features</p>		
2	Wall-mounted two-way cabinet speakers	<p>Designed for use in 100V transmission lines Woofer: 5.25" (133.35mm), Tweeter: 0.75" (19mm) Power (100V): 4/8/16/30W/100W Enclosure: ABS plastic, IP44-rated in white Dimensions: 180mm x 244mm x 153mm Type: 2 core speaker cable Color: red-black</p>	6	
3	Acoustic cable in a coil	<p>Two conductors: 2 x 1.306mm² (16AWG) Number of conductors in the core structure: 65 Purest oxygen-free copper (OFC) 99.97%</p>	100	
4	Vocal wireless radio system	<p>Components: Handheld transmitter, receiver, universal power supply, microphone stand adapter Frequency Range: 614–638 MHz Receiver Type: Dual superheterodyne Modulation Type: UHF Antenna Type: Internal Frequency Response: 50 Hz – 16 kHz Channels: 8x10 Sensitivity: < 3 mV at 52 dB Harmonic Distortion: <=0.9% Signal-to-Noise Ratio: >= 103 dB Synchronization: 2.4 GHz Tuning Range: 45 dB, 5 dB steps Bandwidth: Up to 24 MHz Line/Mic Level: 20 dB Outputs: 1 x XLR-M (balanced, +12 dB), 1 x 1/4" TS Jack (unbalanced, +6 dB) Construction: Reinforced ABS Power: Adapter 100-240V, 12V/300 mA Dimensions: 200 x 127 x 42 mm Weight: 340 g</p>	1	
5	Mixer	<p>Type: studio mixer Category: analog Output frequency range: 20 Hz - 48 kHz (+0.5/-1.5 dB) Equivalent noise level: 128 dB @ 150 ohms</p>	1	

		<p>Residual output noise level: -102 dB Crosstalk: -83 dB Harmonic distortion coefficient: 0.03% @ +14 dB, 0.003% @ +24 dB Power Consumption: 22.9W Inputs: 4 x combo TRS/XLR-F, 6 x 1/4" TS line in, 4 x RCA, 1 x 1/4" TS footswitch Outputs: 2 x XLR stereo out, 1 x 1/4" TRS Jack phones, 2 x 1/4" TRS stereo out, 2 x 1/4" TRS Jack monitor out, 1 x aux send Audio interface: 1 x USB-B, 2 in x 2 out, 24 bit/192 kHz Dimensions: 275 x 110 x 390 mm Weight: 3.3 kg</p>			
Additional equipment/works					
1	SDI to HDMI converter	<p>Video Input: 3G/HD/SD-SDI Video Output: HDMI Type A Color Resolution: 4:2:2 Color Space: YUV Ports: Type-C, HDMI, SDI No Power Adapter Included Connection Type: USB Video Support: FHD (Full High Definition) Supported Video Modes: 1440p, 2160p, 576p, 480p, 1080p, 1080i, 720p Maximum Resolution: 3840x2160 Connectors: HDMI x2, USB 3.1 Type C Compatibility: Microsoft Windows 10</p>	1		
2	Video Capture Device	<p>Memory and NAT sessions: 128 MB RAM, 30,000 NAT sessions Routing speed: NAT 1 Gbps and VPN IPsec 300 Mbps. Wi-Fi Standards: IEEE 802.11 a/b/g/n/ac Antennas: 4 independent external antennas, 2 per band - 2.4 GHz, 5.0 dBi gain - 5 GHz, 5.0 dBi gain Frequency ranges: 2.4 GHz: 2400-2483.5 MHz and 5 GHz: 5150-5850 MHz Bandwidth: 2.4G: 20 and 40 MHz and 5G: 20, 40 and 80 MHz Wi-Fi and system security: WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, tamper-proof secure boot and lock down critical</p>	1		
3	Dual-band Wi-Fi router				

			<p>data/control with digital signatures, unique security certificate and random default password per device</p> <p>MIMO: 2x2:2.4 GHz and 2x2:2.5 GHz</p> <p>Maximum transmitter power</p> <p>2.4G: 23 dBm</p> <p>5G: 24 dBm</p> <p>SSID: Total 16 SSIDs, 8 per radio channel (2.4 and 5 GHz)</p> <p>Number of simultaneously connected client devices: Up to 100 simultaneously connected clients</p> <p>Network interfaces: 1 Gigabit Ethernet WAN connector and 4 Gigabit Ethernet LAN connectors</p> <p>Additional connectors: 1 USB 2.0 connector, 1 reset port</p> <p>Mounting: Desktop and wall mounted</p> <p>LED indicators: 1 tri-color LED and 7 single-color LEDs for device monitoring and status indication</p> <p>Network Protocols: IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM</p> <p>Firewall: DDNS, port forwarding, DMZ, UPnP, DoS protection, traffic distribution rules, NAT, ALG</p> <p>VPN: Client: L2TP, PPTP, IPsec; OpenVPN server: IPsec, OpenVPN</p> <p>Dimensions of the device with 90° antennas: 235.5 mm (L) x 145 mm (W) x 192 mm (H); Device weight: 375 g.</p>		
4	Projector		<p>Number of lamps 1</p> <p>Lamp type: UHE</p> <p>Resolution 1920x800</p> <p>HDMI, USB connectors</p> <p>Light output: 3000 lumens</p> <p>Lamp life: 6000 hours</p> <p>Projector Technology: 3LCD</p> <p>Color: White</p>	1	
5	TV Wall Mount Kit		<ul style="list-style-type: none"> - Frameless design; - Diagonal: 75 inches - Operating System: Android11 + Google TV; - Dolby Audio Digital Theater System sound; - 3860x2920 4K resolution, HDR 10; - EYE Protection system; - 60 Hz refresh rate; 	3	

	<p>Edge gestures and swipes: Supports Windows, OSX with optional driver</p> <p>Connectivity/connectors</p> <ul style="list-style-type: none"> OPS slot 1 - Intel® spec 80Pin HDMI Input 3 pcs HDMI Output 1 pc USB-A 2.0 1 pc (1 USB upgrade port) USB Touch (Type B) 2 USB A 3.0 (Accelerated Data Transfer) 4 pcs. <p>USB C (with video, audio, touch, power, hardware optimization): 1x USB-C (with ethernet) - front location 1x USB-C (with 65W charging support) - side location</p> <ul style="list-style-type: none"> LAN Input (RJ45) 1 pc LAN Output (RJ45) 1 pc RS-232 Yes Wake-on-Lan Yes <p>Wireless Adapter 2.0 + WAP Upgraded</p> <ul style="list-style-type: none"> Bluetooth Yes - 5.0 VGA Input 1 pc Audio Input 1 pc (3.5mm) Optical Output 1 (Coax) Headphone output 1 (3.5mm) Touch outputs: 2 pcs. Proximity sensor: Yes <p>WiFi: IEEE 802.11a/b/g/n/ac, 2 × 2 MIMO (access point only) (2.4 and 5 GHz)</p> <p>WiFi Speed: Up to 433Mbps</p> <p>System</p> <ul style="list-style-type: none"> OS: Android 11 System version: LUX 11 RAM: 6 GB ROM: 64 GB CPU: Quad Core A73 GPU: Mali G52MC2 Android resolution: 4K Integrated LUX UI: Yes <p>Audio</p> <p>Dual, front speakers with bass boost: 2pcs x 15W + subwoofer 15W</p> <ul style="list-style-type: none"> Audio output Yes SPDIF / Fibre Yes 	

		<p>Sound Channels 2.1</p> <p>Linear 6-microphone array: Yes - Omnidirectional up to 8 meters Super Wide Sound Yes</p> <p>Power supply</p> <p>Power requirements 100 - 240 ~ 50/60Hz 3.5A Power consumption (normal) 86" 168W Standby power consumption < 0.5W Ultra-quiet passive cooling Yes</p> <p>Mounting specifications</p> <p>Panel dimensions 1957x1182x86mm Dimensions in package 2112x280x1304mm Net weight 63.8kg Packed weight 78.9kg VESA mount: 800x600mm</p>			
2	Mobile stand with universal VESA bracket for interactive panel	<p>Stand for panels up to 86 inches diagonal:</p> <p>Mobility: 4 wheels with a diameter of 75 mm; 2 of them with brakes Load capacity: 125 kg Dimensions (W x H x D): 1193 mm x 1772 mm x 743 mm</p> <p>Bracket:</p> <p>Weight: 5.2 kg Dimensions (W x H x D): 920 mm x 742 mm x 32 mm</p>	1		
3	Studio microphone	<p>Type: Condenser, externally polarized</p> <p>Acoustic Principle of Operation: Pressure Gradient</p> <p>Diaphragm: 3 microns, gold plated Transducer diameter: 25.4 mm, Polar response: Cardioid</p> <p>Frequency range: 20 ... 20,000 Hz Sensitivity: 27.4 mV/Pa, -31.2 dBV/Pa Natural noise: 7 dB (A) Maximum SPL at 0.5% THD: 140 dB Signal-to-noise ratio: 87 dB (A) Dynamic range: 133 dB (A) Power supply voltage: 48 V ± 4 V Current consumption: 2.63 mA Internal impedance: 110 ohms Connector: Gold-plated 3-pin XLR Dimensions: 138x52x36 mm Weight: 310 grams</p>	1		
4	Sound card	<p>Type: 2x2 USB-C audio interface; Frequency: 44.1, 48, 88.2, 96, 176.4, 192 kHz</p>	1		

5	Active Speaker System (pair/2 speakers)	<p>Bit rate: 24 bit ADC chip dynamic range: 108 dB DAC chip dynamic range: 108dB I/O: 2 x mic/instrument/line inputs with XMAX-L Class A mic preamps; 2 x balanced 1/4" TRS outputs 1 x headphone output; 1 x USB-C 2.0 MIDI In/Out</p> <p>Dimensions: 180x44x144 mm; Weight: 0.9 kg</p> <p>Frequency range: 68 Hz - 19 kHz (±6 dB / 1 W / 1 m speaker axis / anechoic space)</p> <p>55 Hz (lower limit at -10 dB, anechoic) Peak power: 660 W Midrange driver: 410 W Tweeter: 250 W</p> <p>RMS: Midrange: 125 W (NIR < 1%) Tweeter: 80 W (NIR < 1%)</p> <p>Maximum SPL: 124 dB (1m, peak power)</p> <p>Sensitivity: 96 dB (sinusoidal signal - 1 W, 1m, anechoic)</p> <p>Crossover: Partition frequency: 3100 Hz Crossover attenuation: 24 dB/octave (Low Pass) Crossover attenuation: 24 dB/octave (High Pass) Bass cutoff attenuation: 36dB/octave</p> <p>Drivers: Midrange: 12" Tweeter: 1.4" DX 14</p> <p>Horn: pyramidal, symmetrical Opening angle: 110° x 80°</p> <p>Guard grille: steel, black powder coated</p> <p>Enclosure material: textured polypropylene</p> <p>Enclosure resonance frequency: 52 Hz</p> <p>Inputs: 1 x XLR / 6.35 mm TRS combo</p> <p>Outputs: 1 x XLR/M</p> <p>Balance impedance: 10 kOhm</p> <p>DSP-processor functions: Two-band crossover; equalizer; Bass Boost; bass cut; limiter; compressor LCD display: Yes</p> <p>Amplifier frequency range: 20 - 20000 Hz (+1/-3 dB) Signal/Noise: >90 dB relative to the signal Input overload point: +17 dBV Rated power consumption: 200 W (100-240 VAC, 60 Hz)</p>	1		
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		<p>Rack adapter: 35mm adapter Dimensions: 643 x 366 x 356 mm</p>			
6	Personal computer	<p>GEFORCE RTX4060 OC 8GB GDDR6 128bit 2475Mhz 2xDP 2xHDMI GIGABYTE GV-N4060WF2OC-8GD 1 unit CPU LGA1700 Intel Core i7-12700F 1.6-4.9GHz,25MB Cache L3,EMT64,12 Cores+20 Threads,Tray,Alder Lake unit MB LGA1700 GIGABYTE B760M GAMING X DDR4,4xDDR4,15xUSB,4xSATAIII,mATX,2PCIe16x,HDMI,DP 1 unit DDR4 32GB (2x16GB) PC-25600 (3200MHz) KINGSTON FURY BEAST BLACK KF432C16BB1K2/32 1 unit SSD ADATA LEGEND 900 1TB 3D NAND M.2 2280 PCIe NVME Gen4x4 Read / Write: 7000/5400MB 1 unit Power Unit DEEPCOOL PK750D 750W 80 PLUS BRONZE 100-240V/ATX12V 2.3 Black flat Active PFC+DC to DC 1 unit DEEPCOOL EATX CH560 DIG. WH WHITE w/o PSU USB3.0x2 Type-C*1 ARGB 3*140mm+1*120mm FAN (360mm Liquid Coolingready) 1 unit CPU cooler DEEPCOOL GAMMAXX-400K RGB LGA115*/1700/AMD 120x25mm, 500-1500rpm,4HP- 1 unit</p>	1		
7	PTZ CAMERA FOR VIDEO CONFENCING	<p>Important Note: Brand names and models are given to guide on the equipment required. When preparing a quotation, analogs of relevant quality and reliability may be proposed.</p> <p>Image sensor: 1/2.8-inch Sony CMOS color HD sensor, 2.1 megapixels Frame rate: H.264 / MJPEG 1080P / 30fps, YUY 720P 30fps Resolution: 1920*1080 at 30 fps; 1280*720; 640*480; 640*360; 352*288; 320*240 Horizontal viewing angle: 75° (W) Min Lux 0.1 lux Shutter speed from 1 to 1/10000 s Flip and mirror Supported I/O Interface: Video Output: USB 2.0 Communication Interface: RS232 / USB2.0 / RS485 Power On: JEITA type (DC IN 12 V) Compatibility: Windows 7/8 / 8.1 / 10, Mac OS X, Android, Cisco Jabber, WebEx , Google Hangouts, Microsoft® Skype, Zoom and Polycom Dimensions (L x W x H) 115 x 115 x 135 mm Weight 1.2 kg</p>	1		

8	IP conference phone	Screen: 4.3" IPS LCD display with 800x480 resolution Telephony: 6 lines (SIP accounts) Seven-way conference, HD Audio: yes Network port 10/100/1000Mb with auto detection and built-in PoE: yes WiFi and Bluetooth support: yes Power supply: input: 100-240VAC 50-60Hz; output: 12VDC,2A (24W) Dimensions: 280mm(W) x 285mm(L) x 60mm(H) Weight:1.34kg; Package Weight: 2.35kg	2		
Works					
5	Installation/Additional Consumables:		1		
Total					

Note:

1. All specified technical parameter requirements are minimal with a possible upward variation of 10 percent
2. Videoconferencing equipment should be compatible and support all modern platforms such as **MS Teams, Zoom, WebEx and others;**
3. The color of the products to be delivered is subject to agreement in the course of contract negotiations;
4. The warranty period for the equipment shall be three (3) years, (36 months).

FORM OF QUOTATION (Goods)

_____ (Date)

To: The Ministry of Transport and Communications of the Kyrgyz Republic,
Bishkek, Isanov str., 6th floor, office 608 (PIU)

We offer to execute the **supply of facilities and equipment (conference hall)** in accordance with the **Contract Terms and Conditions** and the priced **Supply and Delivery Schedule** accompanying this Quotation for the Contract Price of _____ [amount in words and numbers] (_____) Kyrgyz som (KGS). We propose to complete the delivery of Goods described in the Contract within the Delivery Time indicated in the priced **Supply and Delivery Schedule**.

This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the Validity of the Offer and Warranty conditions imposed by the **Request for Quotation** document and the **Contract Terms and Conditions**, respectively.

We: (a) are a national of an ADB member country; (b) have not been associated with the firm that prepared the design and specifications of the contract that is subject of this request for quotation; (c) are not owned by the Purchaser; (d) are not currently sanctioned or temporarily suspended by the Asian Development Bank; and (e) to the best of our knowledge, is not prohibited from being contracted in compliance with a decision of the United Nations Security Council.

Name of Supplier : _____
Authorized Signature : _____
Name of Signatory : _____
Title of Signatory : _____
Address : _____
Telephone Number : _____
Fax Number, if any : _____
Email address (optional): _____

ACCEPTANCE

The Purchaser accepts the Supplier's offer to supply and deliver the goods. Attached is the Contract with accepted Contract price for Supplier's signature to be submitted to the Purchaser within 5 days from receipt.

Authorized Signature : _____
Name of Signatory : _____
Title of Signatory : _____
Date : _____

CONTRACT

Name of Country:

Project Name:

Name of Contract: **Supply of facilities and equipment (conference hall)**

Contract Number: **CRP/SH/G3/2024**

This Contract is entered into on February __, 2024 between *Ministry of Transport and Communications of the Kyrgyz Republic* (hereinafter called "the Purchaser") on the one part, and ____ [*name of Supplier*] _____ (hereinafter called "the Supplier") on the other part.

Whereas the Purchaser has requested for quotation for **supply of facilities and equipment (conference hall)** to be supplied by Supplier in accordance with the **Contract**, and has accepted the Quotation by the Supplier in the amount of ____ [*amount in words*] ____ [*amount in figures*] hereinafter called "the Contract Price".

The Purchaser and the Supplier agree as follows:

1. The following documents shall be deemed to form and be read and construed as part of this Contract, viz:
 - a) **Form of Quotation, with Supply and Delivery Schedule;**
 - b) **Contract Terms and Conditions;** and
 - c) **Technical Specifications**
2. Taking into account payments to be made by the Purchaser to the Supplier as provided herein, the Supplier hereby enters into this **Contract** with the Purchaser to execute and complete the supply of goods under the Contract and remedy any defects therein in conformity with the provisions of this **Contract** and its **Terms and Conditions**.
3. The Purchaser agrees to pay the Supplier, in consideration of the supply and delivery of the goods and the remedying of defects therein, the **Contract Price** as indicated and accepted in the **Form of Quotation**, under payment terms stipulated in the **Contract Terms and Conditions**.

IN WITNESS whereof the parties hereto have executed the Contract under the laws of the **Kyrgyz Republic** on the date indicated above.

Signature and seal of the Purchaser:

For and on behalf of

Signature and seal of the Supplier:

For and on behalf of

Name of Authorized Representative

Name of Authorized Representative

CONTRACT TERMS AND CONDITIONS

Project Name: *Loan 3432/ Grant 0496 - CAREC Corridors 1 and 3 Connector Road Project*
Purchaser: *Ministry of Transport and Communications of the Kyrgyz Republic*
Package No. **CRP/SH/G3/2024**

1. Definitions

- (a) "Contract" means the agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendixes, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) "Delivery" means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- (e) "Completion" means the fulfilment of the delivery and any related service by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (g) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC.
- (h) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.
- (i) "ADB" is the Asian Development Bank.

2. Applicable Law

- 2.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country.

3. Language

- 3.1 All communications and documents related to the Contract shall be in Russian with translation into English when necessary.

4. Assignment

- 4.1 Any assignment of this Contract or of any rights hereunder, in whole or in part without the prior written consent of the Purchaser shall be void.

5. Fraud and Corruption

- 5.1 This Contract shall be covered by the provisions of ADB's Anticorruption Policy (1998, as amended to date) and Integrity Principles and Guidelines (2015, as amended from time to time) that requires Borrowers (including beneficiaries of ADB-financed activity), as well as Suppliers and Contractors under ADB-financed contracts, to observe the highest standard of ethics during the procurement and execution of such contracts.

6. Fixed Contract Price

6.1 The prices indicated in the Form of Quotation are firm and fixed and not subject to any adjustment during contract performance.

7. Delivery Schedule

7.1 The delivery should be completed as per schedule indicated in the **Supply and Delivery Schedule** but not exceeding six months from the date of signing of contract.

8. Required Technical Specifications (with attachments as necessary)

- (a) General Description
- (b) Specific details and technical standards
- (c) Performance Parameters

Supplier confirms compliance with above specifications.

9. Delivery and Documents

9.1 Upon delivery, the Supplier shall provide the following documents to the Purchaser:

- (a) copies of the Supplier's invoice showing goods' description, quantity, unit price, and total amount;
- (b) manufacturer's or supplier's warranty certificate; and
- (c) certificate of origin.

If goods are coming by courier, supplier shall also provide prior to delivery, copies of documents that will enable Purchaser to receive the goods. The above documents shall be received by the Purchaser at least one week before arrival of the goods and, if not received, the Supplier shall be responsible for any consequent expenses.

10. Taxes and Duties

10.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

11. Payment

11.1 Payment of the contract price shall be made in the following manner:

- (a) 90% within 30 days from receipt by the Purchaser of the delivered goods in site in accordance with the contract (or whatever is appropriate for the goods being procured), including the required documents; and
- (b) 10% within 14 days upon submission of Supplier's claim supported by the acceptance certificate issued by the Purchaser.

12. Warranty

12.1 Goods offered should be covered by manufacturer's warranty for at least 36 months from the date of delivery to the Purchaser.

13. Defects

13.1 All defects will be corrected by the Supplier without any cost to the Purchaser within 30 day from the date of notice by Purchaser. The name and address of service facility where the defects are to be corrected by the Supplier within the warranty period are:

Facility _____

Address _____

14. Resolution of Disputes

14.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute between them under or in connection with the Contract. In the case of an unresolved dispute between the Purchaser and the Supplier, the dispute shall be settled in accordance with the legislation of the Kyrgyz Republic.

15. Failure to Perform

15.1 The Purchaser may cancel the Agreement if the Supplier fails to deliver the Goods, in accordance with the above terms and conditions, despite a 14-day notice given by the Purchaser, without incurring any liability to the Supplier.

16. Force Majeure

16.1 The supplier shall not be liable for penalties or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- (a) For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but not restricted to, act of Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- (b) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by Force Majeure event.

17. Termination Due to Integrity Violation

17.1 The Purchaser may terminate this Contract, in whole or in part, if the Supplier, in the judgment of the Purchaser has engaged in integrity violations in accordance with Clause 5 [Fraud and Corruption], in competing for or in executing this Contract.

18. Accounts and Records

18.1 The Supplier shall keep accurate and systematic accounts and records in respect of the delivered goods in such form and detail as are customary in the industry, for a period of no less than 3 years after the expiration or termination of this Contract.

19. Suspension of ADB Loan or Credit

19.1 In the event that ADB suspends the Loan or Credit to the Purchaser, from which part of the payments to the Supplier are being made,

- (a) the Purchaser is obligated to notify the Supplier, with copy to the Purchaser's representative, of such suspension within 7 days of having received ADB's suspension notice.
- (b) if the Supplier has not received amounts due it within the 28 days for payment provided for in Clause 11 [Payments], the Supplier may immediately issue a 14-day termination notice.