REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)

<table>
<thead>
<tr>
<th>1. REQUEST NO.</th>
<th>2. DATE ISSUED</th>
<th>3. REQUISITION/PURCHASE REQUEST NO.</th>
<th>4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1</th>
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<tbody>
<tr>
<td>19UZ8021Q0053</td>
<td>08/17/2021</td>
<td>PR10104230</td>
<td>RATING</td>
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</table>

5a. ISSUED BY
American Embassy Tashkent
Embassy of the United States of America in Tashkent
3, Mayqorghon Street,
5th block, Yunusobod District
Tashkent, Uzbekistan 100093

5b. FOR INFORMATION CALL (NO COLLECT CALLS)

<table>
<thead>
<tr>
<th>NAME</th>
<th>TELEPHONE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement Office</td>
<td>+99878 120-54-50</td>
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7. DELIVERY

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<tr>
<td>FOB DESTINATION</td>
<td>OTHER (See General Conditions/Requirements)</td>
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8. TO:

<table>
<thead>
<tr>
<th>NAME</th>
<th>COMPANY</th>
<th>STREET ADDRESS</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP CODE</th>
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</thead>
<tbody>
<tr>
<td>a. NAME</td>
<td>Embassy of the United States of America in Tashkent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. STREET ADDRESS</td>
<td>3, Mayqorghon Street, 5th block, Yunusobod</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. CITY</td>
<td>Tashkent</td>
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<td>d. STATE</td>
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<tr>
<td>e. ZIP CODE</td>
<td>100093</td>
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</tbody>
</table>

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS (Date)
August 31, 2021 12:00 Tashkent time

11. SCHEDULE (Include applicable Federal, State and local taxes)

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Compact cardiovascular ultrasound system</td>
<td>1 ea</td>
<td></td>
<td></td>
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</table>

12. DISCOUNT FOR PROMPT PAYMENT

<table>
<thead>
<tr>
<th>a. 10 CALENDAR DAYS (%)</th>
<th>b. 20 CALENDAR DAYS (%)</th>
<th>c. 30 CALENDAR DAYS (%)</th>
<th>d. CALENDAR DAYS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>NUMBER</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PERCENTAGE</td>
</tr>
</tbody>
</table>

NOTE: Additional provisions and representations [ ] are [ ] not attached.

13. NAME AND ADDRESS OF QUOTER

<table>
<thead>
<tr>
<th>a. NAME OF QUOTER</th>
<th>STREET ADDRESS</th>
<th>CITY</th>
</tr>
</thead>
</table>

14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION

<table>
<thead>
<tr>
<th>a. NAME (Type or print)</th>
<th>b. TELEPHONE</th>
</tr>
</thead>
</table>

16. SIGNER

| a. NAME (Type or print) | b. TELEPHONE |

15. DATE OF QUOTATION

PREVIOUS EDITION NOT USABLE

Prescribed by GSA - FAR (48 CFR) 53.215-1(a)
Compact cardiovascular ultrasound system
should have the following technical specification:

Technical specification:

<table>
<thead>
<tr>
<th>ITEM NO. (a)</th>
<th>SUPPLIES/SERVICES (b)</th>
<th>Q-TY (c)</th>
<th>UNIT (d)</th>
<th>UNIT PRICE (e)</th>
<th>AMOUNT (f)</th>
</tr>
</thead>
</table>

1. Dimensions & Weight:
   
   **Height:** 86 mm (3.4 in)
   
   **Width:** 413 mm (16.25 in)
   
   **Depth:** 356 mm (14 in)
   
   **Weight:** 7.3 kg (16.2 lbs.), approx. 43 lbs. with packaging

Specifications:

Next-generation all-digital compact broadband beamformer with pulse shaping capability.

Up to 504,576 digitally-processed channels.

Image presentation: Depth from 1 cm to 30 cm (transducer dependent).

Up to 170 dB full-time system dynamic range.

**Voltage:** 100-240V

**Frequency:** 50/60 Hz

**Amperage:** 2.65A MAX

**Heat dissipation:** 700-1100 BTU/hour (fully loaded)

**Operation range:** 10°C – 40°C operating in 15-95% relative humidity

**Vision2013 Version 3.01 added the following twelve options:**

1. 2D ICE
2. 3D Fetal Echo STIC
3. Digital Navigation Link 2D
4. Digital Navigation Link 3D
5. Live 3D
6. Live xPlane
7. Pediatric Echo
8. Pediatric Radiology
9. Qlab 3DQ
10. Qlab 3DQA
11. Qlab CMQ replaces TQM
12. Qlab MVQ

- 3 transducers

This is a general imaging (GI) and Women’s health configuration

**C5-1 PureWave Convex**

**C10-3v PureWave Endovaginal**

**L12-3 Linear**

- 3 transducers

This is a Shared Service OB/GYN –Cardiac – GI configuration

**S5-1 PureWave Cardiac Sector**

**L12-3 Linear**

**C5-1 PureWave Convex**

**Probes:**

<table>
<thead>
<tr>
<th>Probes &amp; Transducers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PureWave</strong> Convex C5-1 [ 1 – 5 MHz ]</td>
</tr>
<tr>
<td><strong>Microconvex</strong> C8-5 [ 5 – 8 MHz ]</td>
</tr>
<tr>
<td><strong>PureWave Endovaginal</strong> C10-3v [ 5 – 8 MHz ]</td>
</tr>
<tr>
<td><strong>Curved intraoperative</strong> C9-3io [ 3 – 9 MHz ]</td>
</tr>
<tr>
<td><strong>Linear</strong> L12-3 [ 3 – 12 MHz ]</td>
</tr>
</tbody>
</table>
**Linear L12-5** (5 – 12 MHz) 256 elements, 50mm field of view
**Linear L15-7io** (5 – 15 MHz) 128 elements, 22mm

Laparoscopic L10-4lap (4 – 10 MHz) 128 elements

**PureWave Cardiac sector** S5-1 (1 – 5 MHz) 80 elements, 20.3mm

**Pediatric cardiac sector** S8-3 (3 – 8 MHz) 96 elements, 15.4mm, 90° field of view

**Neonatal cardiac sector** S12-4 (4 – 12 MHz) 96 elements, 9.8mm, 90° field of view

**PureWave xMATRIX TEE X7-2t** (2 – 7 MHz) 2,500 elements

**ViewFlex Xtra catheter** (4.5 – 8.5 MHz) 64 elements, 120° field of view (for ICE)

**Pedoff (CW Transducer)** D2wc (2 MHz) Adult cardiology applications

**Pedoff (CW Transducer)** D5wc (5 MHz) Deep venous and arterial applications

**Advanced machine Transducers:** PureWave & xMatrix

The machine has the most advanced transducers ever used on a portable ultrasound machine, including three single crystal PureWave transducers; the [1 – 5 MHz] **C5-1** convex, the [5 – 8 MHz] C10-3v endovaginal, and the [1 – 5 MHz] **S5-1 adult cardiac sector probe**. Single crystal transducers are able to significantly improve image quality even at deep penetration, something very important when scanning large patients. No other portable has single crystal transducers, as the technology usually is only used on premium level ultrasound machines. The machine also can use the [2 – 7 MHz] **X7-2t xMatrix transesophageal transducer**, which has excellent image quality and can image in multiple planes at once as well as image in 4D mode. Only machine among portable ultrasound machines has a 4D TEE probe. The ViewFlex Xtra catheter developed by St. Jude Medical is also compatible with the machine and is used for ICE where the catheter is inserted inside the heart through the left femoral vein.

**Popular machine Transducers**

The amazing **C5-1 PureWave convex** and the **S5-1 PureWave cardiac sector** are the most popular transducers for the machine providing excellent imaging even on heavier patients. The [3 – 12 MHz] **L12-3** is the most popular linear for the machine as it offers the best blend of scanning possibilities and is the most affordable linear.

**Features:**

- 15” high-resolution monitor
- 1 transducer port
- 1 pedoff port
- **AutoSCAN image optimization**
- **iSCAN intelligent optimization**
- **Advanced XRES adaptive image processing**
- Expanded field of view
- Active native data
- Live compare
- **SmartExam protocols**
- **PureWave crystal technology**
- **Active Native Data**
- **Live Compare**
- IntraCardiac Echocardiography (ICE) imaging
- Cineloop review
- 160 GB hard drive space
- Internal slot-load CD/DVD RW drive
- Comprehensive measurement tools
- One three-lead ECG input
- 2D ICE
  - Abdominal
  - Abdominal Vascular
  - Acute Care
  - Adult Echo
  - Cerebro Vascular
  - Contrast General
  - Contrast Superficial
Digital Navigation Link 2D
Digital Navigation Link 3D
DICOM Networking
DICOM Structured Reporting
PureWave Crystal Technology
xMatrix Array Technology
Exam Protocols
Grayscale Freehand 3D
Integration Mode
Live 3D
Live xPlane
Live 3D TEE
LVO Contrast
Musculoskeletal
Needle Visualization
OB/GYN
Pediatric Echo
Pediatric Radiology
Peripheral Vascular
QLAB 3DQ
QLAB 3DQA
QLAB 3DQ GI
QLAB IMT
QLAB MVI
QLAB MVQ
QLAB ROI
QLAB SQ
QLAB CMQ
Regional Anesthesia
Small Parts
Stress
TDI
Integrated intervention with Allura X-ray systems
Mobility cart
Multiport adapter
Wheeled travel case

**Technology Definitions:**

**AutoSCAN image optimization:** This machine feature automatically and continuously optimizes the brightness of the image at the default gain and TGC settings for the best image quality. It can be turned on and off as needed.

**iSCAN intelligent optimization:** This feature provides automatic one-button global image optimization on the machine through AI adjustment of TGC, Doppler and receiver gain, compression curve, Doppler PRF, and Doppler baseline.

**Advanced XRES adaptive image processing:** This is an advanced real-time speckle reduction feature standard on the machine that also enhances edge definition.

**SmartExam protocols:** A step by step user-customizable set of protocols on the machine that can help speed exams and increase consistency.

**PureWave crystal technology:** Philips version of the single crystal transducer technology that improves image quality on the machine at higher penetration. This makes it easier to diagnose difficult-to-scan patients.

**Active native data:** On the machine this is a software tool that enables image processing, quick data re-acquisition, and image analysis with the same resolution and same frame rates of the original images. It is available in 2D mode, PW & CW Doppler, Color Doppler, and Physio. Active native data helps shorten exam duration, improves clinical workflow by post-processing, and reduces the time needed to keep the probe on the patient.

**Live Compare:** This feature of the machine allows the recall of current or previous exam image data for direct side-by-side comparison with current image data.

**SonoCT:** This is real-time compound imaging on the machine that obtains multiple coplanar, tomographic images from different viewing angles, then
combines them into a single compound image at real-time frame rates. **Technology:** A breakthrough single crystal technology on the machine that allows greater acoustic efficiency and bandwidth than piezoelectric (Ceramic) technology.

**xMATRIX array technology:** This is a unique 2D electronic array technology with fully-sampled elements that allow 2D, Live volume, and Live xPlane imaging, applicable to 3D live echocardiography that requires ultra-fast frame rate and calculation capability.

**Live xPlane:** An advanced feature of xMatrix transducers that allows for 4D data sets to be captured and images of multiple planes to be displayed in real-time on the machine.

**Live 3D TEE:** This feature available on machine X7-2t TEE transducer, providing a live maximum 90° by 90° Live 3D TEE volume image. It shows the full view of the left ventricle (not available with transthoracic echo) and provides more perspectives for planning. These views are not available during surgery. The Live 3D TEE provides the 3D heart view while it’s beating to assess function. The 3D data can be sliced for multiple 2D images, providing incremental details of structural defects in the valves and leaflets.

**QLAB 3DQ GI:** This QLAB tool on the machine allows viewing, quantification, cropping, rotation, and measurements of 3D image data set.

**QLAB IMT:** machine QLAB tool makes measurement of intima-media thickness in carotids and superficial vessels quick and consistent.

**QLAB MVI:** MicroVascular Imaging on the machine maps contrast agent progression, measuring frame-to-frame changes, suppressing background tissue, and capturing additional data that make it significantly easier to visualize the vessels.

**QLAB ROI:** A plugin within QLAB on the machine that uses contrast and 2D imaging to increase the consistency and reliability of acoustic measurements.

**Accessories:**

- UPD-897MD Digital Black & white thermal printer
- UPD-898MD Digital Black & white thermal printer
- UPX-898MD Digital Black & white thermal printer
- UPD-25MD Digital Color thermal printer
- P95DW Digital Black & white thermal printer
- CP30DW Digital Color thermal printer
- DVO-1000 DVD Recorder
- CIVCO disposable biopsy guides (for Convex, Linear, and Endo-cavity transducers)
- Additional Supplies
  - ultrasound gel
  - ultrasound wipes
- UPP-110HG thermal printing paper
- UPC-21L color thermal printing pack
- CK30L printing paper
- K95HG high gloss thermal printing paper
- Ports on the machine
  - 1 active transducer port
  - Ethernet port
  - 2 USB ports
  - DVI-I Video out
  - One 3-lead ECG input

**Imaging Modes**

The machine Imaging Modes

**2D**

- M-mode
- Anatomical M-mode
- Tissue Doppler imaging
- Live xPlane imaging
- Live 3D TEE
- Color M-mode
- Color Power Angio (CPA)
- Directional CPA
- PW Pulsed wave (Spectral) Doppler
HPRF PW Doppler
Continuous-wave (CW) Doppler
Freehand 3D imaging
Color compare mode
Dual-mode
Duplex
Triplex
Tissue Harmonic Imaging (THI)
Intelligent Doppler imaging
Contrast imaging
Needle visualization
Biopsy display

Applications:
The machine is a shared service ultrasound machine and offers a broad selection of applications with the exception 4D imaging for OB/GYN applications. These include the following.
Adult cardiac
Adult transesophageal
Stress echo
Abdominal, Pediatric
Vascular – carotid, arterial, venous
Abdominal, vascular access, intervention
Transcranial Doppler
Fetal echo
Obstetrical
Gynecological and fertility
Small parts
Breast
Musculoskeletal
Emergency medicine
Regional anesthesia
Intervention
Laparoscopic
Surgery
Intraoperative – vascular, epicardial
Intracardiac echo
Contrast

GENERAL CONDITIONS / REQUIREMENTS

1. Your quotation in English language, should be accompanied by adequate technical documentation other printed material or pertinent information (in English language) for each item quoted.
2. The prices should include delivery cost to North Brunswick, NJ 08902.

OTHER CONDITIONS

<table>
<thead>
<tr>
<th>Delivery Time</th>
<th>30 days after PO received</th>
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<td>Per Prompt Payment Act FAR Subpart 32.9</td>
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<td>Mode of Transport</td>
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<td>OTHERS</td>
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<tr>
<td>Contract format</td>
<td>Standard US Embassy Purchase order</td>
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</tbody>
</table>
PLEASE STATE

- Quantity discount and early payment discount
- Separate quote for estimated transportation & insurance charges
- Availability of local service in country of final decision
- Details on any warranty / guarantee conditions
- Delivery period

SUBMISSION REQUIREMENTS

All quotations duly signed and stamped shall be submitted by electronic mail to the following address TashkentProcurement@state.gov or in sealed envelope via mail/express mail or by hand to the address below not later than August 31, 2021 12:00 Tashkent time

US Embassy Uzbekistan
3, Mayqorghon Street,
5th Block, Yunusobod District
Tashkent, 100093
Republic of Uzbekistan

Late bids will be rejected

ATTENTION:

Please indicate on e-mail subject the RFQ reference i.e. “RFQ/ 19UZ8021Q0053”.

Applicants with questions regarding this bidding should send them in writing (fax or E-mail) to:

US Embassy Uzbekistan
Fax: +998 78 120 63 35
or e-mail: TashkentProcurement@state.gov
Attn: Procurement Department