Equipment Specifications
Digital Mammography Radiographic System
VISN 19 – Muskogee, OK - 623
623-B96008

A. REQUIREMENT OVERVIEW

A digital 3D Radiographic Mammography system is required for activation of the new Tulsa super-CBOC. Mammography is used to check for breast cancer and will be a new service offered by this facility. 3D mammograms allow us to be more accurate in our ability to detect and diagnose cancer as compared to traditional two-dimensional mammograms. This will be a part of the Eastern Oklahoma VA Healthcare System (EOVAHCS) and will expand coverage and access to more Veterans across the state. It will need to integrate with Agfa IMPAX. Biopsy and RDSR functionality are required.

Facility	Quantity
EOVAHCS Tulsa CBOC Activation	1

B. TECHNICAL REQUIREMENTS

1.   Unit physical specifications

a. Number of generator phases	High frequency single phase
b. Minimum spatial resolution [lp/mm]	100 microns
c. Minimum detector size [cm x cm]	24x29 cm
d. Minimum focal spot size [mm]	0.1 and 0.3
e. SID minimum [cm]	66cm
f. Minimum tube head rotation [degrees]	+/- 180 degrees
g. Comfortable rounded corners on image receptor	N/A

2.   Workstation Requirements

a. Minimum number of acquisition workstations	1
b. Minimum acquisition workstation monitor size [in]	21 in
c. Minimum acquisition workstation hard disk size [GB]	1 TB
d. Minimum number of review workstations	1
e. Minimum review workstation monitor size [in]	21 in
f. Minimum review workstation hard disk size [GB]	1 TB
g. Other workstation requirements	1 GPS network card

3.   Additional specifications

☒	a. Imaging type	◯ 2D ◉ 3D
☒	b. Stereotactic biopsy system	◯ Standing ◉ Prone
☒	c. High-frequency generator	
☒	d. AEC detector	◉ Automatic ◯ Manual
☒	e. Rotating anode	
☒	f. Density reporting software (provide software vendor)	
☒	g. Dose monitoring software	
☒	h. Digital detector	
☒	i. Acquisition workstation with LCD monitor	
☒	j. Rotating arm for acquisition workstation for view across room	
☒	k. Review workstation with LCD monitor	
☒	l. Stereotactic biopsy system	
☒	m. Computer-aided detection (CAD)	

4. Paddles

☒	a. Biopsy
☒	b. Rectangle spot compression
☒	c. Square spot sliding compression
☒	d. Round spot sliding
☒	e. Swiss Cheese sliding compression
☒	f. Sliding standard compression
☒	g. Sliding implant/small breast compression
☒	h. Flex
☒	i. Sliding
☒	j. Flexible compression

5. Security/Connectivity Requirements

☒	a. OEM-supported operating system
☒	b. Latest DICOM print, store, commit, radiation dose structured report (RDSR), and modality worklist
☒	c. HL7 integration (HIS/RIS)
☒	d. Encrypted hard drive
☒	e. PACS compatibility – AGFA IMPAX

6. Added Value

Specifications listed below are not required, but preferred. Vendors who do not include the below specifications in the submitted offer will not be docked or excluded from consideration. Specifications listed below will be evaluated based on added value.

☒	a. Additional year(s) of warranty
☒	b. Post-warranty remote diagnostic service program
☒	c. If Windows OS, using Windows 10.

C. TRAINING REQUIREMENTS

1.   Clinical Training

☒	a. On-site clinical applications training for 2 technologists during go-live
☒	b. On-site follow-up clinical applications training for 2 technologists once technologists have hands-on experience with the system
☒	c. Technologists who complete the clinical applications training shall receive continuing education credits (CMEs).

2.   Biomedical Technician Training

Please reference the "Instructions to Offers" section 2.8.g for further information about the type of information to provide by equipment type not by specific request. Please also reference the "Instructions to Offers" section 7.3.3. for response format.

Technical training information to include detailed information about the curriculum and length of the biomedical technical training required for each equipment type.

Although the NAC will not award this training along with the equipment, it is imperative that the customer is informed that this training is available. Vendors must demonstrate that they can provide any required off-site training, therefore off-site training should be quoted as an optional item. Off-site training will be purchased at the time of need via a modification (if the original order remains open) or via a separate order. No travel expenses for any VA employees will be included in any HTME equipment or training order.

D. SERVICE REQUIREMENTS

1. VPN/Remote Access – The vendor shall provide any and all equipment service programs, such as remote diagnostics, during the warranty period. The vendor shall provide post-warranty remote diagnostic service program as an "Add Option" with the offer. The system shall provide vendor remote diagnostics via VPN. The vendor shall either utilize the VA national site-to-site VPN or work with the Office of Cyber and Information Security and the VAMC Information Systems Security Officer to establish a client-based VPN.
2. Service and Operator Manuals – The vendor shall provide the following documentation for the proposed systems:

a. Two (2) copies of operator instruction manuals (one (1) electronic and one (1) physical copy)
b. Two (2) copies of a service manuals (one (1) electronic and one (1) physical copy)
   *Vendors can include the physical copy as a priced line item in their quote as applicable.
3. Minimum Warranty – The system and accessories shall be covered under the manufacturer's warranty and shall include all parts and labor for one year following acceptance by the VAMC. This warranty must include PMs as required by the manufacturer. The manufacturer's factory-trained field service representatives shall perform installation and maintenance during the warranty period.

Vendors are encouraged to include any offerings for service, warranty, and training that may exceed the minimum requirements, to include information on their service support structure during and after the warranty period. Vendors who do not include any added value offerings for service, warranty, and training will not be docked or excluded from consideration. However, any such offerings will be evaluated based on added value.

E. OTHER INFORMATION/DOCUMENTATION REQUESTED

Please reference the "Instructions to Offers" section 2.8a-h for further information about the type of information to provide by equipment type not by specific request. Please also reference the "Instructions to Offers" section 7.3.3. for response format.

1. Completed pre-procurement assessment form (6550 Appendix A)
2. Completed Manufacture Disclosure Statement for Medical Device Security (MDS2) form
3. Federal Information Processing Standard (FIPS) 140-2 certification
4. Product brochures
5. Technical specification sheets, to include dimensions and weight of the system
6. Typical drawings (pdf version of the CAD drawings)
7. Technical training- Biomedical: information to include detailed information about the curriculum and length of the biomedical technical training required for each equipment type.
   - Although the NAC will not award this training along with the equipment, it is imperative that the customer is informed that this training is available. Vendors must demonstrate that they can provide any required off-site training, therefore off-site training should be quoted as an optional item. Off-site training will be purchased at the time of need via a modification (if the original order remains open) or via a separate order. No travel expenses for any VA employees will be included in any HTME equipment or training order.
8. Support information to include your company's support structure during and after the warranty period
   - On-line or telephonic applications support and availability (include third party coverage)
   - A listing of field service engineer locations and availability
   - A listing of part depots

F. TRADE-IN

☒	a. VA has no trade-in units to offer.