Equipment Specifications
Computed Tomography Scanner
[VISN 7 / Columbia VA Healthcare System]
[544-B92035]

A. REQUIREMENT OVERVIEW

Requesting purchase of 256 slice CT scanner to replace existing 64 slice vascular CT imager. New system will need to have advanced capabilities for vascular imaging, improved image quality, and large bore size to accommodate all patients seen at the facility. Removal and disposal of the existing system will also be required as a part of this request.

Facility	Quantity
Columbia VA Healthcare System	1

B. TECHNICAL REQUIREMENTS

1.   Unit physical specifications

a. Minimum number of slices	256
b. Minimum gantry aperture [cm]	80 [cm]
c. Minimum detector width [mm]	160 [mm]
d. Minimum detector field of view [cm]	50 [cm]
e. Table height range from floor [cm]	550[mm] – 1030[mm]
f. Maximum patient weight supported [kg]	300 [kg]
g. Minimum 360° rotation time [s] – Vendors are encouraged to propose the fastest 360° rotation available.	0.3 [s] / 360° acq
h. Maximum system dimensions [cm] (LxWxH)	510x255x230 [cm] Room Dim: 22'-6" x 19'-1" (9'-0" ceiling)
i. Maximum system weight [kg]	Max 100 lbs/sq.ft.

2.   Additional specifications

⊠	a. The CT scanner shall provide the ability for the user to independently operate the table, gantry, and CT fluoroscopy mode from the control room.

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☒	b.	The CT scanner shall provide the ability for the user to independently operate the table, gantry, and CT fluoroscopy mode while performing biopsy or patient-related exams.
☒	c.	Dual Energy Imaging (either at the radiation source or in the detector)
☒	d.	Ability to display CTDIvol (dose) before scan
☒	e.	Ability to display DLP (dose) after exposure
☒	f.	Modeled iterative reconstruction/Noise reduction. Vendors are encouraged to propose the greatest available noise reduction.
☒	g.	Retrospective and prospective gated ECG Coronary CCTA
☒	h.	ECG monitor
☒	i.	Ceiling-mounted contrast injector with proven reliable synchronicity.
☒	j.	Table max horizontal travel speed of 430 mm/s
☒	k.	70 kV imaging

3.   Workstation Requirements

☒	a.	Minimum acquisition workstation monitor size [in]	24 [in]
☒	b.	Minimum acquisition workstation hard drive size [GB]	1000 [GB]
☒	c.	LCD monitor(s)	
☒	d.	UPS for the acquisition workstation	
☒	e.	UPS for the processing workstation(s)	

4.   Advanced Applications

☒	a.	CT Fluoroscopy
☒	b.	CT Perfusion
☒	c.	CT Cardiac
☒	d.	Lung CAD
☒	e.	CT Colonoscopy
☒	f.	Dose Tracking
☒	g.	Integration to GE Radworks
☒	h.	Integration to TeraRecon
☒	i.	Integration to Intellispace CardioVascular
☒	j.	Minimum 512 reconstructed slices

Each vendor is to respond with advanced applications that meet the criteria listed above. Please include all other advanced applications offered by your company in the optional section on the quotes.

5.   Security/Connectivity requirements

☒	a.	OEM-supported operating system

☒	b. Latest DICOM print, store, commit, radiation dose structured report (RDSR), and modality worklist
☒	c. Encrypted hard drive
☒	d. PACS compatibility – VistARAD
☒	e. CERNER Care-Aware compatible

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. Version/platform long-range plan

C. TRAINING REQUIREMENTS

1.   Clinical Training

☒	a. On-site clinical applications training for [10] technologists during go-live
☒	b. On-site clinical applications training for [9] physicians
☒	c. Vendors shall be responsible for accommodating different personnel shifts for clinical applications training during go-live.

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. Product brochures
4. Technical specification sheets, to include dimensions and weight of the system
5. Typical drawings (pdf version of the CAD drawings)
6. 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.
7. 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

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| ☒ | a. | In instances where sanitization of ePHI compromises the OS and/or application software, or requires the removal of internal storage media, the vendor accepts the equipment "as is" and can elect at their own discretion to contract with the original equipment manufacturer (OEM) to restore the system. |

The following equipment is available for trade-in. Please reflect any credits provided for trade-in equipment in the proposal.

Station	544 – Columbia VA Healthcare System
Manufacturer	GE Healthcare
Model	Lightspeed VCT XT 64 Slice
EE/Asset Number	544 EE1026657 / 1539113
Serial Number	409082CN5

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