A. REQUIREMENT OVERVIEW

This document highlights the technical specifications and services being requested by Minneapolis VAHCS for consideration toward purchase of Linear Accelerators. This equipment will be used to produce electron beams of varying energies in addition to high-energy photons using a linear accelerator (Linac) as a generator. This system is utilized to treat tumors in the Minneapolis VAHCS. Offerors under this proposal shall provide all equipment and accessories, software, installation services, training, and project management support.

B. TECHNICAL REQUIREMENTS

1.   Linear Accelerator
- Compatibility with existing facility management system, ARIA 15.
- New universal baseframe 52" fixed floor
- 120 leaf Multileaf Collimator (MLC)
- Dual CCTV camera and monitor system with two pan, tilt, zoom cameras
- Additional CCTV camera and monitor system with two pan, tilt, zoom cameras installed at VA-requested location
- RapidArc Treatment Delivery for volumetric modulated arc treatment delivery technique
- kV imaging
- Iterative CBCT for detectability of soft tissue anatomy
- Photons 3 (6MV, 10MV, 15MV) treatment energies
- Electrons 5 (6MeV, 9MeV, 12MeV, 16MeV, 20MeV)
- 6MV and 10MV FFF
- Low X imaging for high soft tissue contrast
- Triggered imaging
- Advanced Respiratory Motion Management System (ARMM) for managing patient respiration motion during treatment delivery and imaging
- Optical Surface Monitoring System (OSMS) for real time tracking
- Integrated Conical Collimator Verification and Interlock (ICVI) for radiosurgical treatment delivery
- Motion Management Interface (MMI) for patient positioning
- Perfect Pitch 6DoF Couch
- Image Guided RadioTherapy (IGRT) Couch Top
- SRS Encompass Mask System for use with Couch Top
- LAP Apollo Green Room Laser Kit with remote adjustments
- Main Circuit Break Panel (UL and IEC/CE Certified)
- Power Conditioning Unit 3-Phase 50KVA (UL and IEC/CE Certified)

2. Server
- Backup/Archive Storage
- Domain Controller Server

3. Additional specifications
- InSightive Analytics software

4. Security/Connectivity Requirements
- OEM-supported operating system

C. TRAINING REQUIREMENTS

Description
1. On-site clinical applications training for therapists for Linac Platform
2. On-site clinical applications training for physicists for Linac Platform
3. On-site clinical applications training for therapists and physicists for Optical Surface Monitor System (OSMS)
4. Off-site clinical applications training for three (3) therapists for Linac Platform
5. Off-site clinical applications training for two (2) physicist for Linac Platform
6. Off-site clinical applications training for two (2) therapist for Respiratory Gating
7. Off-site clinical applications training for two (2) therapists and physicists for Optical Surface Monitor System (OSMS)
8. On-site follow-up clinical applications training after therapists and physicists have hands-on experience with the system
9. Off-site Biomedical technician training package (to include tuition) for two (2) biomedical equipment support specialists

Biomedical technician training shall include any prerequisites required prior to the training and shall be equivalent to the training received by OEM field service representatives. Technicians shall be given all service manuals, schematics, diagrams, diagnostic software, other special tools, and keys equivalent to what OEM field service representatives have available to diagnose, troubleshoot, repair, and maintain the equipment.

Technologists who complete the clinical applications training shall receive continuing education credits (CMEs).

D. SERVICE REQUIREMENTS

1. VPN/Remote Access – The vendor shall provide, at no additional cost, 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 system manager (super user) manual outlining back-up procedures, managing privilege group limits, routine tasks, etc.
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 requirements with their proposals. 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

1. Product brochures
2. Technical specification sheets, to include dimensions and weight of the system
3. DICOM Conformance Statement
4. IHE integration statement
5. FIPS 140-2 certification
6. Completed pre-procurement assessment form (6550)
7. Completed MDS2 form
8. Detailed information about the curriculum and length of the biomedical technical training
9. Details on any off-site training offered for therapists and physicists
10. Information about your company's support structure during the warranty period
    a. Describe on-line or telephonic applications support and availability (include third party coverage)
    b. Provide a listing of field service engineer locations and availability
    c. Provide a listing of part depots
11. Information about your company's support options following the warranty period, including a description of on-line or telephonic applications support and availability
12. Two (2) copies of the product service manual (1 hard copy and 1 digital copy)
13. References for the clinical applications trainer that will be assigned to the requesting VISN

F. TRADE-IN

☒	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	Minneapolis (618)
Manufacturer	Varian Medical Systems
Model	Clinac IX
EE/Asset Number	265428
Serial Number	3994