

Amendment- XI (For Schedule 1)

Ref.: Tender Enquiry No. HSCC/PUR/LHMC/2014 dt. 16.7.2014.

Sub.: Procurement of Radiotherapy Equipment for Lady Hardinge Medical College & Hospital, New Delhi.

Schedule 1: Technical Specification for a High-Energy Linear Accelerator

6.5 Treatment Table/Couch

6.5.17 Deleted.

6.9 Essential Accessories

6.9.5 A LCD Projector should be supplied.

10. Utility Requirements

10.1 Power Supply

10.1.3 UPS of suitable rating with voltage regulation and spike protection for **30 minutes** back up for whole Linear Accelerator Systems (including associated TPS, server etc.) should be provided.

11. Equipment Warranty and After-Sales Services

11.5 During the warranty period, all the software updates should be provided without asking for free of cost.

III. Oncology Information & Image Management / Treatment Record and Verify system

1. General Specifications

1.16 It should integrate the following (with suitable software and hardware) to transfer and store patient data, treatment parameters & images for automatic treatment delivery along with 05 workstations): (i) Linear Accelerator (ii) Treatment Planning System (iii) Existing CT scanner, MRI and PET (iv) Virtual Simulator Workstation and/or conventional

simulator (v) with required dosimetry systems & **(vi) Low Energy Linear Accelerator.**

Schedule 2: Technical Specification for a Low-Energy Linear Accelerator

Sealed tenders (sealed separately as the “Technical Bid & the Price Bid-in duplicate) are invited directly from the manufacturers/ principles for the supply of a state-of the-art clinical Radiotherapy Linear Accelerator capable of producing 6MV single photon energy for the routine and specialized treatment techniques. Linear Accelerator must have the latest technology **viz. Amorphous (Si) based EPID, IMRT & Volumetric Modulated Arc Therapy (VIMAT), KVCBCT based IGRT system along with 5 or more electron energies** and should be fully computer controlled system. It should be capable of integrating with standard networking and PACS systems available in the market.

5.5 Treatment Table/Couch

5.5.17 Deleted.

5.9 Essential Accessories

5.9.5 A LCD Projector should be supplied.

6. Optional Features (Price must be quoted separately)

6.1 Deleted.

7. Utility Requirements

7.1.3 UPS of suitable rating with voltage regulation and spike protection for **30 minutes** back up for whole Linear Accelerator Systems (including associated TPS, server etc.) should be provided.

9. Equipment Compliance with Standards and Safety

9.7 **The main equipment offered shall have AERB NOC/Type Approval. However, AERB NOC/Type Approval for new functions shall be provided 8 months from the date of clinical start-up.**

Suppliers of both High Energy Linear Accelerator and Dosimetry Systems shall be responsible to co-ordinate with each other at site for their integration and their satisfactory installation and commissioning, training as hand-over.

Note: It is the responsibility of the bidders to quote in conjunction with Bid Document and all earlier Amendments issued so far against this Tender.

Rest all remains unchanged.

**Director, LHMC,
New Delhi**