

Guru Nanak Dev University, Amritsar

TENDER NOTICE

“Sealed tender for the purchase of DEXA (Dual Energy X-ray Absorpiometry) machine in two bids (Part I – Technical Bid and Part-II Price Bid) along with a demand draft of @ 2% of the cost of equipment as earnest money in favour of Registrar, Guru Nanak Dev University, Amritsar should reach the undersigned on or before 14-12-2011 upto 3:00 p.m under registered cover. Detail of specifications can be obtained from Head, Department of Sports Medicine and Physiotherapy, Guru Nanak Dev University or can be downloaded from the University website www.gndu.ac.in Tender will be opened on 15-12-2011 at 11.00 a.m in the office of Register, Guru Nanak Dev University, Amritsar.”

Technical Specifications of DEXA

Technical Specifications:

Scanning Method- Wide Angle Fan Beam

X-ray Source: Constant Potential Source/ Switched Pulse Dual Energy; Oil Cooled X-ray tube

Detector System : Multi Element / Direct Digital Detectors - solid state with fast pulse counting technology; should be Multidetector system with state of the art high resolution.

BMD Precision : Better Than 1%; high reliability level with inter test variation of < 1%

Scan Time: The equipment should be ultra fast with A/P Spine </ = 30 Secs; Femur </ = 30 Secs

Calibration: Automatic calibration Technique for test Programme & quality control with internal reference system

Phantom: Anthropomorphic Phantom

Patient Position : Cross Hair Laser Light

Scan region - 190cmx60cms or more for total body

Patient Weight Limits: more than 155kg

Reference data: >11,000 USA/Northern European Subjects, as well as NHANES, and Numerous regional databases.

Table: 25" height, should be fully motorized with side to side movements

Magnifications: None

Sample Size(mm): 0.60x1.05 or less for AP Sine & Femur

Software for the following:

- a) AP Spine
- b) Dual Femur
- c) Total Body Composition and fat assessment
- d) Vertebral Assessment (AP & Lateral Views)
- e) Lateral spine BMD
- f) Fore Arm
- g) Comparison to previous Scan

h) Composer

l) Pediatric software (Spine & Total Body for age group 5-19)

j) Orthopedic Hip Analysis

k) Infant whole body analysis (with pediatric reference curve analysis software)

Standard Information required:

- Pre- installation requirements- Pls Specify Including Room Size & Site Plan
- No of Installations in India & North
- No of Trained Service Engineers in North
- AERB Type approval be provided for the model quoted
- Warranty: 3 years for the whole system including the X-ray tube
- F.O.R : Department of Sports Medicine and Physiotherapy/Health Centre, G.N.D. University, Amritsar.
- The literature regarding technical specifications of the equipment should be sent along with the quotations.
- Training of the machine will be provided by the supplier.

Computer System:

a) Workable with most Advanced configuration

b) Hard Disk Minimum - 160GB

c) RAM : Minimum 1 GB

d) CD ROM (write/read) drive

e) Monitor: At least 17" Colour monitor

f) Printers: Laser (Hp)

Online UPS: 2KVA with 30 mins Backup

Air Conditioner: 1.5 ton (split) air conditioner with suitable UPS

Registrar