

## **TENDER NOTICE**

“Sealed tenders for the purchase of 800 mA Fluoroscopic X-ray Machine with IITV 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 **23-04-2010**, upto 3.00 PM under registered cover. Details of specifications can be obtained from SMO Incharge, Health Centre, Guru Nanak Dev University, Amritsar or can be downloaded from the University website **w.w.w. gnduonline.org** Tenders will be opened on **26-04-2010** at **11.00 AM** in the office of Registrar, Guru Nanak Dev University, Amritsar.”

**REGISTRAR**

## **Specification for 50 KW ,800 mA X Ray machine with Image Intensifier TV System.**

### **X Ray Generators :** Radiography/ Fluoroscopy System

Diagnostic RF system for universal use

Consisting of:

1.High frequency X-ray generator with multipulse waveform

Power output: 50 KW X Ray Generator. 800mA at 60 KV and 500mA At 100 KV

Shortest exposure time 3ms or lower

Free selection of radiographic setting in 3-point and 2-point technique

2. 2nos. Dual focus X-ray tube one each for for undertable work and overtable radiography of 30/50 KW capacity

### **Examination Table:**

All position Motor driven table from - 12 degree to + 90 degree Motorised Tilt.

The bucky available in the table should be counter balanced having brakes, preferably motor driven grid.

The Bucky should have high quality grid at least 10 : 1 ratio & density 100 lines per inch.

The table should be offered with built in Spot film Device & the SFD Grid should be at least of ratio 6:1 & density of 100 lines per inch ( Preferably stationary )

SFD should be able to do 4in 1 spot, 2 in 1 spot & single spot on 14 X 14 inch cassette.

The unit should be offered with Two collimator of which one should be Motorized.

The table should have provision Lateral parking for SFD .

Possibility of Remote control kV adjustment from SFD during Fluoroscopy.

The table be incorporated with all safety provision against collision.

The unit should be as per AERB safety standards

All control switches for movement of the table should be mounted on SFD.

The offered Eqpt should be locally manufactured in India with sufficient stock of spares.

Only Manufactures are requested to offer against this tender. Agents offer will not be entertained.

### **Tube Column Stand:**

Fully Counter balanced Floor to ceiling column stand for over couch tube with collimator with a 360 degree Swivel Facility. It should be light in weight and easy in operation. Protection for the rope failure should be provided with the column stand.

### **II TV system**

- Image intensifier system of 9" with zoom.
- Useful input sizes and resolution factor should be specified.
- Microprocessor controlled CCD camera for digital fluoroscopy without geometric distortion, with high contrast and consistent image brightness
- Last image Hold facility.
- 17" TV monitor mounted on trolley
- Automatic Dose regulation Facility will be preferred.

### **Vertical Bucky Stand:**

Fully counterbalanced Bucky wall stand for cassettes size upto 14"x17" with high ratio grid min 10:1 & more than 50 lines per cm Stationery Grid with More no of lines will be preferred. It should have magnetic brakes for up-down movement.

### **Accessories**

- \* Removable foot rest
- \* Hand grips
- \* Immobilizing device
- \* Radiation flaps
- \* 2 nos light weight lead aprons

The Firm should have the local office in the state to provide the efficient after sale service with sufficient stock of spare parts and team of trained engineers on the offered system. The firm should guaranty the availability of spare parts on the offered system for a period of minimum 10 years. Over and above , if any facility/feature if found useful, shall be given due weightage.