E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

E-Tender Form

(E-Tender enquiry for Supply and Installation of X Ray Units at GGS Medical College & Hospital, Faridkot.

Tender Notification No:	To be provided by the E-procurement portal of the Govt. of Punjab.	
Tender Notification Date:		
Requirement	E-Tender notice for supply and Installation of X Ray Units of 600 & 800 MA	
Cost of the tender document:-	Rs.2000/- (Non-refundable) to be deposited through Online Mode Only in favor	
	of Registrar, Baba Farid University of Health Sciences, Faridkot.	
Tender Processing Fee	To be charged by Punjab Infotech, Chandigarh as per their norms.	
	(Non- refundable).	
Earnest Money Deposit (EMD)	Rs.50,000/- for Each Equipment in shape of DD in favor of Principal, GGS Medical College, faridkot on or before due date (Refundable to the Nonsuccessful bidders, without any type of interest or other charges). However, it will be converted into Performance security in case of successful tenderer and will be returned after successful completion of the warranty period.	
Date of start of downloading of tender	17.02.2017 from the website of the Punjab Government i.e.	
documents	https://etender.punjabgovt.gov.in	
Website for downloading of the		
tender document:-	However, the details may also be obtained from the University website i.e.	
	www.bfuhs.ac.in and college website www.ggsmch.org	
Last date for downloading of the tender document:-	15.03.2017 up to 12.30 pm	
Last date & time for uploading of the tender documents:-	15.03.2017 up to 1.30 pm (through online mode only)	
Date, time and venue for opening of the Technical Bids	15.03.2017 at 2.30 p.m. on the e- procurement portal of the Govt. of Punjab in , Baba Farid University of Health Sciences, Faridkot	
Date, time and venue for opening of	f 17.03.2017 on the e- procurement portal of the Govt. of Punjab in, Baba	
the Price Bids	Farid University of Health Sciences, Faridkot	
Who can be contacted for obtaining	* 1	
more information about the tender.	Guru Gobind Singh Medical College & Hospital,	
	Sadiq Road, Faridkot.	
	Phone:- 01639-251111, 8558872572, 9356912818	
	E-mail: pr ggsmc@yahoo.com	
	(on all working days from 9.00 a.m. to 5.00 p.m.)	

Important Note:-

- For any clarification about the E-tendering, Digital Signature certificates and User Id, the Bidders/agencies may contact on Punjab e-procurement helpline numbers 92572-09340, 80546-28821, 0172-3934667.
- The Bidders/Agencies may also contact for more information about the e-tendering activities to Sh. Harmeet Singh, District Co-ordinator of Punjab Infotech, Chandigarh at Mob: 81466-99868.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

NOTICE INVITING E-TENDER

E-Tenders are invited on or before 15.03.2017 from manufacturers or their authorized agents/distributors for supply and Installation of X Ray Units of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot. The tender document containing detailed terms & conditions may be downloaded from the E-procurement website of the Punjab Government i.e. https://etender.punjabgovt.gov.in and its detail may also be seen at the University website www.bfuhs.ac.in and college website www.ggsmch.org

TERMS AND CONDITIONS:-

- 1. The tender must be uploaded on or before the last date/ time of the submission of tender.
- 2. The Tender Document Fee, and EMD should be submitted in the shape of Demand Draft in favor of Principal, GGS Medical College, faridkot on or before due date.
- 3. The Tender processing fee should be submitted through Net Banking/Credit card/Online mode only and as per Punjab Infotech, Chandigarh.
- 4. The <u>tenders will be opened online</u> on the same day i.e. 15.03.2017 at 2.30 p.m. on the website i.e. https://etender.punjabgovt.gov.in. in the, Baba Farid University of Health Sciences, Faridkot. The bidder(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the bidder (s), on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender.
- 5. The Price bids of technically qualified bidders will be opened on 17.03.2017 at 2.30 p.m. on the website i.e. https://etender.punjabgovt.gov.in at, Baba Farid University of Health Sciences, Faridkot. In case of any change of date and time it will be notified to the technically qualified bidders through E-mail/telephone.
- 6. The Registrar/Principal reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

- 1. The bidder needs to register himself/ herself on https://etender.punjabgovt.gov.in. The bidder is also required to obtain Class III digital signature certificates to complete this process.
- 2. Please download the Tender document from the website of e-procurement of the Govt. of Punjab https://etender.punjabgovt.gov.in. Please fill all the relevant blanks on all the pages of the tender document sign along with a stamp/ seal all pages and then a scanned copy of the same may be uploaded on the website at the time of submission of the tender document.
- 3. <u>It should be clearly noted that this tender will be accepted though e-tender mode only.</u> The tenders submitted through offline mode will not be accepted under any circumstances.
- 4. **Tender Fee** of Rs.2000/- (non-refundable) may be deposited through online Mode Only.
- 5. **Tender Processing Fee:** as per Punjab Infotech, Chandigarh/- (non-refundable) may be deposited through online mode i.e. Net Banking/ Credit Card/ Debit Card only. The tender processing fee will not be accepted through any other mode.
- 6. **Refundable Earnest Money Deposit (EMD)** of Rs.50000/- for each Equipment may be deposited in shape of Demand Draft in favor of Principal, GGS Medical College, faridkot on or before due date.
- 7. <u>Upload</u> signed copy of Technical Bid Compliance Statement (Annexure-I).
- 8. <u>Upload</u> an affidavit regarding Non-Black listing as per proforma given at **Annexure-II** duly attested by an Executive Magistrate or a Notary Public.
- 9. In case the Bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at **Annexure-'III'** (duly filled in), **to be uploaded**.
- 10. In case the Bidder is Authorized Supplier/Agency, an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply of the Instruments then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC of the Equipments/Instruments. (Annexure 'IV'), to be uploaded.
- 11. Upload details of Bank Account for refund of EMD (Annexure V).
- 12. In addition to this, following **documents are to be uploaded** with Technical Bid:
 - i) Details of registration as Company /Firm/ Establishment.
 - ii) Certificate regarding USFDA and CE European Only as per in required specifications standard in quality.
 - iii) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT.
 - iv) A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2013-14, 2014-15 & 2015-16.
 - v) Copy of the IT Returns for three financial years i.e. 2013-14, 2014-15 & 2015-16.
- 15. Price should be quoted and **uploaded** only in Exel Sheet proforma at **Annexure-'VI'**.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Detail of Item with Specifications

To supply and Installation of Equipments required at this Institution.

CONFIGURATION for 600 mA machine

- 50 KW System
- High frequency Radiography X-ray.
- It is a general-purpose radiographic system with high frequency generator and integrated table, providing you with the latest technology and image quality with a small footprint.
- High frequency (HF) technology enables reduction in exposure resulting in reduced dose and reduction of soft x-rays. This increases accuracy of exposure as per the set parameters, delivering power, reliability and excellent image quality, while reducing patient dose and requiring minimum space.
- It is a freestanding system with minimum room preparation time. No ceiling support allows it to fit in almost any room configuration. Large travel range of tube, wide range of tube rotation, large patient coverage of table allows to meet all of your clinical requirements. Standard icons and user friendly interface provides the easiest way of using the system.

Technology features:

- Second generation HF power converter
- Compact size cabinet
- Micro controller technology for precise metering of X-ray techniques
- In-built protection against input voltage out of range, HV arcs
- Self-diagnosis & error logging intelligence for added service ability
- Self-calibration & intelligence enabled Real time tracking of filament current to ensure mA accuracy
- Low boot up time (Ready for X-rays in less than 20s)
- Last technique parameter's re-call
- Auto-tracking with mechanical linkage between the tube stand and the table cassette tray
- Auto-centering cassette tray makes it easy to load the cassette.

Generator Specifications:

- Normal output power: 50 KW
- mA range: 10mA to 630mA
- mAs range: 0.5mAs to 630mAs
- KVp range: 40kV to 150kV in 1kV increments
- Exposure time range: 1ms to 6300ms
- Exposure accuracy: Plus/minus 5%

Console: The console is designed for maximum productivity with a simple user-interface, touch sensitive input and LCD display for output. There is also an audible confirmation of each entry.

Designed with the technologist in mind. It is pedestal mounted, ergonomically designed, highly institutive and user friendly.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

The operator console is designed for ease of operation with features which include:

- Power on and off
- KVp selection in 1 and 10KVP steps
- mA selection
- mAs selection
- 2 & 3 point selection
- Small or large focus
- APR display
- AEC and density selection (Automatic Exposer Control)
- Save of settings
- Recall of set parameters
- Patient size selection
- Error information
- Console power-on self-diagnosis

The anatomical programmer (APR) enables easy storage and recall of baseline parameters which include:

- Morphology- Small, medium and large patient
- Body anatomy like chest, abdomen etc 10 choices View- PA, LAT, and oblique
- Technique parameters- kV, mA, mAs

Utilizing the manual mode, the operator has the flexibility to select the parameters required and adjust KVP, mA and mAs (3-point mode) for constant load exposure or only KVP and mAs (2 – point mode)

Toshiba tube:

Shockproof housing is to minimize leakage radiation. Housing filled with insulating oil specially formulated to meet the requirements of high-voltage X-Rays.

Specially processed Rhenium-tungsten faced molybdenum target minimizes surface distortion for consistent image quality, and provides increased radiation output. Special treatment of inner surface of glass envelope improves high-voltage stability for consistent techniques

High thermal emittance oxide coating on anode and rotor provides high anode heat dissipation rate for improved loading, cooler bearings, and increased tube life

- Rotating anode, dual focal spots (0.6mm, 1.2mm)
- Voltage: 40-150 kV
- Anode heat storage capacity is 111 kJ (150 KHU)
- Housing heat storage capacity is 900 kJ (1250 KHU)
- Max anode heat dissipation rate: 40,020 HU/min (475 Watts)
- Max housing heat dissipation rate: 15,000 HU/min (180 Watts)
- Anode rotation speed is 3200 RPM @ 60 Hz / 2700 RPM @ 50 Hz

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Floating table:

Integrated tube-stand support rails (2300mm length x 370mm height) that are combined with table frame.

- 70cm approx height above floor
- Front pedals with Electro-Magnetic breaks to lock and release the tabletop
- Tabletop to Film Distance (OID) = 55 mm
- Bucky takes all standard cassette sizes from 8" x 10" to 17" x 17"
- Table top dimension: 210 x 85 cm
- Plus/minus 42.5 cm longitudinal movement, plus/minus 11 cm lateral movement
- Maximum tabletop filtration: less than 0.7mm @ 100kV Al equivalent
- Patient weight bearing capacity is 180 Kgs

Tube stand / Column:

Auto-tracking with mechanical linkage between the tube stand and the table cassette tray.

- Tube stand with rotation +/-180 deg for wheelchair / stretcher exams
- Tube rotation (+/-) 120 deg locked at any angle
- Tube tilt $-30 \deg$ to $+20 \deg$
- Max SID on table is 110 cms
- Longitudinal motion of column: 171 cms

Input power specifications:

- Input voltage: 342~528Vac three phase, 50/60Hz
- Source impedance tolerance: 10%

Safety standards:

AERB Type Approved

IEC 601-2-7 safety rules for X-ray generators.

Wallstand

This wall stand can be used along with high frequency Radiography X-ray for all chest/spine / lower extremity standing examinations with bucky and grid.

- Mechanical lock for carriage
- can be locked (any position)
- Cassette tray housing assembly with fixed grid and ion chamber
- Column Maximum Height 2060 mm

Bucky takes all standard cassette sizes from 8" x 10" to 17" x 17"

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

78LP 100cm Fixed Table Grid (CR compatible)

System should be US-FDA and CE European approved.

Two year comprehensive onsite warranty of entire system (Spares and Labour) including X-ray tube. Quote CMC rates for next eight years after warranty period.

95% uptime guarantee should be given. In case down time exceeds 5%, penalty in the form of extended warrantee, double the number of days for which the equipment goes out of service, will be applied.

Separate tender should be quoted for 600 Ma and 800 mA Mchine

* The quantity may increase /decrease as per actual requirement.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Detail of Item with Specifications

To supply and Installation of Equipments required at this Institution.

800 mA High Frequency X-Ray Machine with IITV

Technical Specification:

The high power R/F system should have a High Frequency inverter type generator & remote controlled diagnostic table. The Unit should be over table tube system compact and occupy minimum space. The unit must be AERB type Approved System Configuration

- 1. 80 kW Generator, Remote controlled R/F Table
- 2. 12" Image intensifier, Multi Leaf collimator with auto collimation.
- 3. High capacity X Ray: tube X-ray High Voltage Generator
- 80kW High voltage generator with inverter frequency of not less than 50 kHz. Maximum output: 80kW(800ma @100kv)
- Radiographic kV range: 40 150kV at 1kV step
- Radiographic mA range: 10 800 mA at 12.5% steps
- Radiographic mAs range: 0.5 800 mAs at 12.5% steps
- Anatomical program memory–user programmable
- LED readout for exposure parameter display.
- Microprocessor controlled with automatic exposure control.
- Automatic setting of optimal digital radiography parameters from Fluoroscopy parameters (kV, mAs) R/F Table
- Remote controlled operation of table movement
- Table tilt: $+90 \deg \sim -25 \deg$
- Lateral movement of table top: Not less than 22 cm
- Table should be Motorized Elevating type for easy patient access
- Longitudinal movement: Not less than 800 mm. Movement of imaging unit is preferred for patient safety.
- Oblique tilt Motorized and remote operated +/- 30 deg With 1.5 FFD Extension
- -Cassette / Film size: 8×10 inch $\sim 14 \times 17$ inch.
- -Exposure programs: Up to 4 on 1 should be possible on Cassette Spot Film L 3 on 1 for 14 X 17 and 12 X 10 should be possible.
- Rapid spot filming should be possible. Multi Cassette Size Spot Film Device, X Ray Grid: 12:1, 60 lines/cm
- Remote console with integrated Table Control and Monitor mount
- Table side controls for controlling the table movements
 X Ray Tube High Speed
 Rotating anode tube of 9000 rpm or better Anode heat capacity not less than 400 kHU
- Focal spot size Small focus not more than 0.6mm Large focus not more than 1.2 mm
- Short term rating 36 kW / 80 kW or better

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

- HT cable pair 18 mtrs or more Accessories For Local Operation Use - LCD Colour monitor 15", with Monitor cart & Foot switch for examination room.
- Sub-divisional (up-down) spot (SFD), G.I. Examination kit Compression cone (flat & triangle) & Barium cup holder), Compression band, Auxiliary tabletop, Interphone: Bedside: Microphone,
 Remote console: Microphone, Partition wall with lead window Glass 1000 x 800 mm, The System should be upgradeable to Digital and DSA in future Optional Item Image Intensifier & Camera
- Input field:12", Resolution: Not less than 45 lp/cm
- Contrast ratio: Not less than 30:1
- CCD camera 400K or better with Last Image Hold
- Desk combined with console,
- 15" or more Monochrome LCD Medical Grade

Warranty: 3 (Three) Years. AMC/CMC 5 (Five) Years

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

TERMS AND CONDTIONS

FOR SUPPLY AND INSTALLATION OF X Ray Units AT GGS MEDICAL COLLEGE & HOSPITAL, FARIDKOT

ELIGIBILITY

- The sole manufacturers of equipments or their authorized agents/distributors may quote their rates.
- In case of Authorized Supplier/Agency/Distributor, the Authorization Certificate as per the Format given at **Annexure-'III**' should be uploaded.
- In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC. (Annexure 'IV').
- 1. This institution reserves the right to reject tenders without assigning any reason and increase or decrease the quantity of the articles tendered.
- 2. If the supply is not made within the stipulated period then late delivery charges @2% will be imposed on the total amount of Supply Order up to delay of 30 days and thereafter @ 4% for another 30 days after which Supply Order will be deemed cancelled & security/earnest money forfeited and company will be black-listed for future.
- 3. In-complete or conditional offers incorporating price variation will not be entertained.
- 4. The firm should have been in existence for at-least **three years** and it should have turn of **Rs.1,00,00,000/- per year.**
- 5. The successful bidder shall deposit bank guarantee of 10% of the total value of the equipment in the shape of Demand Draft only.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Annexure-I

TECHNICAL BID COMPLIANCE STATEMENT

Name and Address of the applicant / firm	

Specify whether Manufacturer/Dealer/Distributor: Sr. No. **Particulars** Remarks Tender Fee of Rs.2000/- through Online Mode only on or before due date. Yes/No 1. 2. Tender Processing fee charged by Punjab Infotech, Chandigarh as per Yes/No their norms. (Non-refundable). 3. Earnest Money of Rs.50000/- for each Item in the shape of Demand Draft Yes/No in favor of Principal, GGS Medical College, faridkot. On or before due date. 4. Technical Bid Compliance Proforma uploaded (Annexure-I). Yes/No 5. Whether an affidavit regarding Non-Black listing as per proforma given at Yes/No Annexure-II duly attested by an Executive Magistrate or a Notary Public uploaded. 6. In case the bidder is Authorized Supplier/Agency, the Authorization Certificate Yes/No as per the Format given at Annexure-'III' uploaded. 7. In case the Tenderer is Authorized Supplier/Agency, an undertaking/certificate Yes/No issued bv their Principle Manufacturer/Supplier that dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC (Annexure - 'IV') uploaded. Details of Bank Account for refund of EMD (Annexure – V) uploaded. Yes/No 8. 9. Price Bid in the prescribed format in Excel Sheet (Annex – VI uploaded. Yes/No 10. Copy of Certificate of Registration for service Tax/TIN/TAN/PAN uploaded. Yes/No A certificate from C.A. regarding Annual Turnover with Balance Sheet for the Yes/No 11. last 3 (three) financial years i.e. 2013-14, 2014-15 and 2015-16 uploaded. 12. Copy of the IT Returns for three financial i.e. 2013-14, 2014-15 and 2015-16 Yes/No uploaded. Certificate regarding USFDA and CE- European Only 13. Yes/No required in specifications standard in quality. 14. Fax Number E-mail ID 15.

Signature & seal of bidder

Place: Date:

Note: <u>Please upload Catalogue/Brochure/Pamphlets with complete specifications of each Equipment quoted.</u>

Hard Copy of the Technical Bid should also be submitted on or before due date in a sealed Envelope.

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Annexure-II

(To be furnished on non-judicial stamp paper worth Rs.30/- duly attested by **Executive Magistrate or Notary Public).**

AFFIDAVIT

I/	/We
partner/s	sole proprietor (Strike out which is not applicable) of (Name & Address of Firm) do hereby declare and solemnly affirm:-
	do hereby declare and solenting armini-
ŕ	That the individual/firm/ companies are not debarred or black- listed by any department of Union/ State Government or any autonomous institute.
h	That no partner or shareholder, directly or indirectly connected with the applicant who as been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
Ć	And that the terms and conditions for supply and Installation of Equipments at GGSMCH, Faridkot, are acceptable to me/us. I/We shall abide by them in letter and pirit.
Date:	
Place:	
	DEPONENT
VER	RIFICATION
correct to	We do hereby solemnly declare and affirm that the above declarations are true and to the best of my/our knowledge and beliefs. No part of it is false and nothing has been ad therein.
Date:	
Place:	
	DEPONENT

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Annexure-III

MANUFACTURER'S/PRINCIPLE'S AUTHORIZATION FORM

TO

	The Registrar Baba Farid University of Health Sciences Faridkot -151203	5,
	Ref. No	Dated:
Sub:	Authorization Certificate in favour of of X Ray UnitMA.	f M/s for supply
We,	M/s	, who are established and reputable
	facturers of(1	name of equipment) having factory(ies) a hereby authorized
M/s	(naı	me and address) to bid, negotiate and conclude
	Tender formalities with you against Tement(s) manufactured by us.	ender No for the above
	1	than M/s are authorized nalities in regard to this business against this
the go	We, hereby extend our full guarantee an oods offered for supply against this tender b	nd warranty as per the conditions of tender for by the above firm.
		Yours faithfully
		(Name) For and on behalf of M/s
		(name of manufacturer/Principle)

Note: This letter should be signed by a person competent and having authority to sign on behalf of manufacturer, and should be on manufacturer Letter Head and same will be uploaded with Technical Bid..

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Annexure - IV

UNDERTAKING BY MANUFACTURER/PRINCIPLE SUPPLIER

ТО	
	The Registrar Baba Farid University of Health Sciences, Faridkot -151203
	Ref. No Dated:
Sub:	Undertaking for after sales service
M/s the Te equipm	We, M/s, who are established and reputable acturers of
	Yours faithfully,
	(Name) For and on behalf of M/s (name of manufacturer/Principle)
	(maine of manufacturer/17merpre)

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

Annexure- V

Details of Bank Account of the firm who has deposited EMD

Name of the firm:

Sr. No.	Particulars	Detail
1.	Account No.	
2.	Name of Bank	
3.	Branch Name	
4.	IFSC Code of Bank	
5.	Name of Operator	

E-TENDER NOTICE FOR X-Ray Unit of 600 MA & 800 MA required at GGS Medical College & Hospital, Faridkot.

ANNEXURE - VI

PRICE BID

TO BE UPLOADED in Printed/Computerized format in Excel Sheet Attached.

Hard Copy of Technical Bid Should also be submitted on or Before Due date in a sealed envelope.