

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

E-Tender Form

**(E-Tender enquiry for Supply and Installation of Digital Radiography & Fluoroscopy 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:	17.07.2021
Requirement	E-Tender notice for supply and Installation of Digital Radiography & Fluoroscopy.
Cost of the tender document:-	Rs.2360/- (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 Govt. of Punjab as per its norms. (Non- refundable)
Earnest Money Deposit (EMD)	2,50,000/-. The Earnest Money Deposit must be submitted in the shape of Online Payment in favor of Registrar, Baba Farid University of Health Sciences, faridkot on or before due date (Refundable to the Non-successful bidders, without any type of interest or other charges). However, it will be returned to successful bidder after receipt of Performance security.
Date of start of downloading of tender documents	02.08.2021 from the website of the Punjab Government i.e. https://eproc.punjab.gov.in
Website for downloading of the tender document:-	https://eproc.punjab.gov.in 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:-	23.08.2021 up to 12.30 pm
Last date & time for uploading of the tender documents:-	23.08.2021 up to 1.30 pm (through online mode only)
Date, time and venue for opening of the Technical Bids	By the next day from the last date of submission of tenders (by 5:00 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 the Price Bids	Only technically qualified bidders on the e- procurement portal of the Govt. of Punjab in UPFD, Baba Farid University of Health Sciences, Faridkot
Who can be contacted for obtaining more information about the tender.	Principal, Guru Gobind Singh Medical College & Hospital, Sadiq Road, Faridkot. 01639-251111, 98773-65600, 98724-11226 E-mail: procurement@ggsmch.org and ggsmc@punjab.gov.in (on all working days from 9.00 a.m. to 5.00 p.m.)

Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy required at GGS Medical College & Hospital, Faridkot.

NOTICE INVITING E-TENDER

E-Tenders are invited on or before **23.08.2021** from manufacturers or their authorized agents/distributors **for supply and Installation of Digital Radiography & Fluoroscopy 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://eproc.punjab.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 processing fee should be submitted through Net Banking/Credit card/Online mode only and as per Punjab Govt.
3. The **tenders will be opened online** by the next day from the last date of submission of tenders (by 5:00 p.m.) on the website i.e. <https://eproc.punjab.gov.in> at 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.
4. **The Price bids of technically qualified bidders will be opened** on the website i.e. <https://eproc.punjab.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.
5. The Registrar/Principal reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar

Baba Farid University of Health Sciences, Faridkot

*E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.*

INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

1. The bidder needs to register himself/ herself on <https://eproc.punjab.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://eproc.punjab.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. **It should be clearly noted that this tender will be accepted though e-tender mode only.** The tenders submitted through offline mode will not be accepted under any circumstances.
4. **Tender Fee :** Rs.2,360/- (Rs.2000 + 360 GST) should be deposited through online mode only
5. **Tender Processing Fee:** as per Punjab Govt. (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): 2,50,000/-** to be deposited online mode only in favor of Registrar Baba Farid University of Health Sciences, Faridkot.
7. **Upload** signed copy of Technical Bid Compliance Statement (**Annexure-I**).
8. **Upload** 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 Principal Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply of the Instruments then the Principal 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) **The system must have valid AERB Type approval, AERB certificate must enclosed with Bid.**
 - iii) Certificate regarding **standard in quality** as per specifications.
 - iv) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT.
 - v) A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2017-18, 2018-19 and 2019-2020.
 - vi) Copy of the IT Returns for three financial years i.e. 2017-18 , 2018-19 & 2019-20.
13. Price should be quoted and **uploaded** only in Excel Sheet proforma at **Annexure-‘VI’**.

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

LIST OF EQUIPMENTS

Sr.	Name of Equipment	Approx. Qty. Reqd.	Earnest Money to be Submitted (in Rs.)
1.	Digital Radiography & Fluoroscopy	01 pc	2,50,000.00

Note: - Quantity may increase or decrease

- *The bidder must mention regarding tentative delivery and installation time of machine(s).*
- ***The bidder must attach Data sheet / Compliance sheet as per specifications.***
- *The bidder must quote Brand / Model No. of the product supposed to be supplied.*
- *All bidders should have supplied the quoted machines to the reputed Government hospitals and should submit a certificate of satisfactory working from the concerned Government hospital(s).*
- *All bidders must attach the user list which are already using the same model.*

Technical Specification for Digital Radiography & Fluoroscopy

High powered X-ray unit with Digital flat panel for fluoroscopy and radiography examinations for the Department of Radio diagnosis at Guru Gobind Singh Medical College & Hospital, Faridkot (Pb).

The unit should be completely integrated system (integrated X-ray generator and image acquisition control) having the following specifications. At least two out of three components i.e. tube, X-ray generator and flat detector should be from the manufacturer of the system.

Generator

- a) 1000mA unit with microprocessor controlled high frequency X-ray generator with power output of 80 kW or more
- b) Exposure kV range should be 40-150
- c) System should have facility for pulsed fluoroscopy
- d) Generator should have minimum exposure time of at least 1ms.
- e) System should have multiple user defined programmes (vendor defined programmes)
- f) There should be provision for automatic exposure control (AEC). It should be possible to override AEC if required

TABLE

- a) Floor mounted table with radiolucent table-top with scratch resistant surface.
- b) Table should have a variable height for easy patient transfer. Please specify vertical range of movement in your offered model.
- c) System should have motor driven vertical, longitudinal and horizontal table-top movements. Please specify the range of movements.
- d) Table should have angulations from vertical to head down positions. (Vertical +90 Degrees to Trendelenburg - 45 degrees).
- e) Table should support patient weight upto 250 kgs.
- f) System should have well designed foot switch for releasing fluoroscopy and acquisition.
- g) System should have provision for collision protection
- h) Table should have integrated bucky unit for direct flat panel general radiography and fluoroscopy

X-Ray TUBE

- a) One over couch tube
- b) The X Ray tube should have dual focal spots. Large focal spot of 1.2 mm or lower. Small focal spot of 0.7 mm or lower.
- c) Small focal spot power rating should be in the range 30-50 kW
Large focal spot power rating should be in the range 70-90 kW
- d) Anode heat storage capacity should be more than 700 KHU or more. Tubes with

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
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higher storage capacity will be preferred.

e) Motorized copper filter for pre-filtration with minimum 3 selections should be possible.

Direct Digital Imaging system for Fluoroscopy:

- a) Field of view of at least 40 cms or more.
- b) Collimator may be rectangular or iris type.
- c) System should have real time optimization techniques to maintain constant brightness at the lowest allowances dose to the patient.
- d) Cine / fluoro loop facility and last image hold facility.
- e) Acquisition matrix should of atleast 1024x1024 at 10 bit rate

DETECTOR SYSTEM

- a) Integrated digital flat panel detector in table.
Detector must be atleast 40x40 cms or better
Image matrix size 2kx2k pixels or more
Pixels size should be 160 micrometers or lesser.
Acquisition depth of minimum 14 bits should be available.
- b) The system should have fast and direct access to all series, single images, in both examination (remote controlled) and console room.
System should have angle/distance measurement, image labelling .

Monitors

- System should be offered with atleast with four monitors Medical Grade of minimum 1 Megapixel resolution and minimum 19" size to be provided. Two numbers of medical grade monitors in examination room and one monitor in control room & one in reporting room with separate storage facility.
- All movements of table can be controlled by the operator from the table in the examination room and remotely from the console room.
- Foot switch for exposure should be available in examination room and at console
- The system should have facility for edge enhancement, positive/negative image display, windowing, contrast/brightness, electronic shuttering, image/pixel shifting, vertical and horizontal image reversal, zoom functions
- The system should have fast and direct access to all series, single images, in both examination (Remote controlled) and console room

Image processing:

Vertical and horizontal reversal, zoom, electronic magnifying glass, windowing for contrast/brightness, black/white image inversion, harmonization (Digital Density Optimization), edge enhancement filter, electronic shutter

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

IMAGE STORAGE AND TRANSMISSION

- a) Image storage capacity of at least 1 TB in 1024x1024 matrix at 10/12 bits on the main system disk .
- b) The systems should support storage and transfer of images on compact discs/DVD/USB.
- c) The systems should be DICOM 3.0 ready and should have DICOM Worklist / MPPS, DICOM Multimodality Viewing, DICOM Send/Storage, DICOM Print, DICOM Query/Retrieve.
- d) Facility of sending of dose values for each study to an archiving system, in DICOM mode should be possible.

OTHER REQUIREMENTS:

- A. DIGITAL SUBTRACTION ANGIOGRAPHY (DSA) Fully loaded online DSA with following features: Online DSA with re-masking, pixel shift, landmark peak opacification and roadmap. The DRF system should be configured to display DSA image on the existing exam room monitor as well as the existing monitor in Console room.
- B. System should have AERB NOC/ type approval and USA FDA approval is mandatory.
- C. Performance certificate and order copies (Govt) should be available.
- D. Supplier should have a trained service engineer in the state of supply for better uptime.

Local Accessories:

1. One Dry Chemistry, Multiport, multiple films (14"x17", 11"x 14" and 8"x 10") camera with resolution of 500 DPI or more, DICOM ready and online. At least three size film trays should be active.
2. Lead glass 100x 150 cm for console room.
3. Suitable UPS with complete back up for all the computer system for at least 30 minutes.
4. A 120 KV or better stabilizer for the entire unit
5. Hand grip
6. One Foot step for patient
7. Patient fixing belts and remote controlled compression device (for performing excretory urography).
8. Radiation Protection Devices
 - A) Lead free light weight aprons (vest and skirt type for extended period of use) with following specifications: 3 nos.
 - a. Made in ISO approved factory with EU ISO 9001:2000 standards.
 - b. CE certification and conform to EC Council Directive EC89/686/EEC/article 11B
 - c. Handmade to Individual specification.
 - d. Full protection while weighing 30% less than traditional lead aprons.
 - e. Flexible two-piece design with wide skirt for ease of movement.
 - f. Flexible Velcro fastenings across shoulders and torso.
 - g. Both Vest & Skirt include full overlap in front, offering double protection with full protection to Front & Back.
 - h. Padded shoulders to prevent forward slippage and relieve pressure on shoulders
 - i. Monogram option
 - B) Thyroid shields (lead free) with following specifications: 3 nos

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

- a. Made in ISO approved factory EU ISO 9001:2000 standards
 - b. CE certification and conform to EC Council Directive EC89/686/EEC/article 11B
 - c. Full protection while weighing 30% less than traditional thyroid collars
 - d. Adjustable Velcro Fastening
 - e. Soft, Stain resistant material with choice of colours and design
 - C) Gonadal shields (All sizes both for male and female): 3 sets each .
 - D) Radiation protection eye wear (weight not exceeding 55 gm): 3 nos
 - E) Radiation protection head wear (zero lead): 3 nos
 - F) Wall mounted apron hangers(foldable): 3 nos h) Adjustable and movable radiation protection shield from reputed make: 3 nos
- The bidder must provide all MCBs, earthing & main switches required for the machine.**

Warranty/After Sale Service

- Five year comprehensive onsite warranty of entire system (Spares and labour) including X-ray tube all accessories including Dry Laser Camera, UPS and consumable batteries for five years. This will be followed by 5 years CAMC.
- Following completion of warranty, 5 years of CAMC will start. Terms and conditions of GGSMC&H, FARIDKOT will apply during this period.
- Warranty & Guarantee will cover all the equipment supplied by vendor including all third party items such as batteries of UPS, lead free protection gears etc. and vendor will replace them at their own cost during the entire life of the machine.

Essential requirement:

- NOC/ Type approval certificate from AERB to be submitted.
- The model should be US FDA approved.
- Vendor will get QA certification for the machine at their own cost.
- The supplier must ensure the availability of expertise service and maintenance. Uninterrupted availability of spare parts and repair of next ten years must be assured.
- On site Training should be provided.
- Mention the number (with addresses and phone numbers) of installations of quoted units in India.

Baba Farid University of Health Sciences, Faridkot

*E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.*

TERMS AND CONDITIONS

FOR SUPPLY AND INSTALLATION of DIGITAL RADIOGRAPHY & FLUOROSCOPY 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 will be forfeited and company will be black-listed for future.
 3. Payment Terms: **80% Payment** will be released after satisfactory Installation through **LC which will be opened in INR** and balance 20% will be made after 60 days of the Installation and satisfactory working of the equipment through LC in INR
 4. In-complete or conditional offers incorporating price variation will not be entertained.
 5. 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.**
 6. The successful bidder shall deposit bank guarantee of 10% of the total value of the equipment/s in the shape of Demand Draft only which will be returned after the expiry of the guarantee without any type of interest.

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
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
1.	Tender Fee of Rs.2000/- through Online Mode only on or before due date.	Yes/No
2.	Tender Processing fee charged by Punjab Govt. as per their norms. (Non-refundable).	Yes/No
3.	Earnest Money in favor of Registrar Baba Farid University of Health Sciences, Faridkot through online mode only.	Yes/No
4.	Technical Bid Compliance Proforma uploaded (Annexure-I).	Yes/No
5.	Whether an affidavit regarding Non-Black listing as per proforma given at Annexure-II duly attested by an Executive Magistrate or a Notary Public uploaded.	Yes/No
6.	In case the bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at Annexure-‘III’ uploaded.	Yes/No
7.	In case the Tenderer is Authorized Supplier/Agency, 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’) uploaded.	Yes/No
8.	Details of Bank Account for refund of EMD (Annexure – V) uploaded.	Yes/No
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
11.	A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2017-18, 2018-19 and 2019-2020 uploaded.	Yes/No
12.	Copy of the IT Returns for three financial i.e. 2017-18, 2018-19 and 2019-2020 uploaded	Yes/No
13.	Certificate regarding standard in quality.	Yes/No
14.	Compliance sheet i.r.o technical specifications	Yes/No
15.	E-mail ID	Yes/No

Signature & seal of bidder

Place:

Date :

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

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

Annexure-II

(To be furnished on non-judicial stamp paper worth Rs.100/- duly attested by Executive Magistrate or Notary Public).

AFFIDAVIT

I/We _____
partner/sole proprietor (Strike out which is not applicable) of (Name & Address of Firm)
_____ do hereby declare and solemnly affirm:-

- a) That the individual/firm/ companies are **not debarred or black- listed** by any department of Union/ State Government or any autonomous institute.
- b) That no partner or shareholder, directly or indirectly connected with the applicant who has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
- c) And that the terms and conditions for supply and Installation of Digital Radiography & Fluoroscopy at GGSMCH, Faridkot, are acceptable to me/us. I/We shall abide by them in letter and spirit.

Date:

Place:

DEPONENT

VERIFICATION

I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and beliefs. No part of it is false and nothing has been concealed therein.

Date:

Place:

DEPONENT

Baba Farid University of Health Sciences, Faridkot

*E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.*

Annexure- III

MANUFACTURER’S/PRINCIPAL AUTHORIZATION FORM

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No......

Dated:

**Sub: Authorization Certificate in favour of M/s..... for supply
of (Name of equipment)**

We, M/s....., who are established and reputable
manufacturers of(name of equipment) having factory(ies) at
..... and, hereby authorize
M/s.....(name and address) to bid, negotiate and conclude
the Tender formalities with you against Tender No..... for the above
equipment(s) manufactured by us.

No company or firm or individual other than M/s..... are authorized
to bid, negotiate and conclude the tender formalities in regard to this business against this
specific tender.

We, hereby extend our full guarantee and warranty as per the conditions of tender for
the goods offered for supply against this tender by the above firm.

Yours faithfully,

(Name)

For and on behalf of M/s _____
(name of manufacturer/Principal)

**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.**

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.***

Annexure - IV

UNDERTAKING BY MANUFACTURER/PRINCIPAL SUPPLIER

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No.....

Dated:

Sub: Undertaking for after sales service

We, M/s....., who are established and reputable manufacturers of(name of equipment) have authorized M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s).

Further, we undertake that in case dealership/distributorship is withdrawn after supply of equipment then we shall be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years.

Yours faithfully,

(Name)

For and on behalf of M/s_____ (name of manufacturer/Principal)

Baba Farid University of Health Sciences, Faridkot

***E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
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	

Baba Farid University of Health Sciences, Faridkot

*E-TENDER NOTICE FOR procurement and installation of Digital Radiography & Fluoroscopy
required at GGS Medical College & Hospital, Faridkot.*

ANNEXURE - VI

PRICE BID

**TO BE UPLOADED in Printed/Computerized format in Excel Sheet Attached for all
Equipments.**