

## *Baba Farid University of Health Sciences, Faridkot*

*E-TENDER NOTICE FOR supply & installation of C-arm Machine for Ortho OT Deptt. at GGS Medical College & Hospital, Faridkot.*

### **E-Tender Form**

**(E-Tender enquiry for Supply and Installation of C-arm Machine in the department of Ortho OT department at GGS Medical College & Hospital, Faridkot)**

Tender Notification No :	<b>To be provided by the E-procurement portal of the Govt. of Punjab.</b>
Requirement	<b>E-Tender notice for supply and Installation of C-arm Machine</b>
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)	Rs.80,000/- (Rs. Eighty thousand only) 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). In case of successful tenderer, it will be returned after receipt of the security amount as per tender terms and conditions.
Date of start of downloading of tender documents	<b>06.05.2022</b> from the website of the Punjab Government i.e. <a href="https://eproc.punjab.gov.in">https://eproc.punjab.gov.in</a>
Website for downloading of the tender document:-	<a href="https://eproc.punjab.gov.in">https://eproc.punjab.gov.in</a> However, the details may also be obtained from the University website i.e. <a href="http://www.bfuhs.ac.in">www.bfuhs.ac.in</a> and college website <a href="http://www.ggsmch.org">www.ggsmch.org</a>
Last date for downloading of the tender document:-	<b>23.05.2022 up to 12.30 pm</b>
Last date & time for uploading of the tender documents:-	<b>23.05.2022 up to 1.30 pm (through online mode only)</b>
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. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date.
Date, time and venue for opening of the Price Bids	The opening date of financial bids of the technically qualified bidders will be informed on the university web site, e- procurement portal of the Govt. of Punjab. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date. The University authorities will have right to decide any other date and time for the opening of the Financial bids.
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, 94655-13138 E-mail: <a href="mailto:procurement@ggsmch.org">procurement@ggsmch.org</a> <a href="mailto:ggsmc@punjab.gov.in">ggsmc@punjab.gov.in</a> , (on all working days from 9.00 a.m. to 5.00 p.m.)

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### **NOTICE INVITING E-TENDER**

**E-Tenders** are invited on or before **23.05.2022** from manufacturers or their authorized agents/distributors **for supply and Installation of C-arm Machine 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](http://www.bfuhs.ac.in) and college website [www.ggsmch.org](http://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 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

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### **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 :** as per Govt. and 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): Rs. 80,000/-** 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) **Certification as per technical specifications.**
  - 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. 2017-18, 2018-19 & 2019-20.
  - v) Copy of the IT Returns for three financial years i.e. 2017-18, 2018-19 & 2019-20.
15. Price should be quoted and **uploaded** only in Excel Sheet proforma at **Annexure-‘VI’**.

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**SCOPE OF SUPPLY**

<b>Sr.</b>	<b>Name of Equipment</b>	<b>Approx. Qty. Reqd.</b>	<b>Earnest Money to be Submitted (in Rs.)</b>
1.	<b>C-arm Machine</b>	01	80,000/-

Quantity may increase / decrease as per requirement.

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**TECHNICAL SPECIFICATIONS**

**Specifications for High Frequency C-ARMSystem**

1. A Mobile C Arm image intensifier required for Orthopaedic, Urology, Neurosurgery, Gastro-intestinal, Pain Management, Chest Imaging, Nephrology, Reproductive, Peripheral Vascular Imaging, and General Procedures. The C - Arm should have *DVD* read/write, image storage of at least 1,00,000 images & DICOM interface.
2. Mechanical Dimensions:
  - a) Motorized Vertical movement: 400 mm or more
  - b) Wig Wag movement: +/- 12.5 deg. or more
  - c) Rotation: +/- 180 deg. or more
  - d) Immersion Depth of C-arm: 650 mm or more
  - e) Source to Image Distance (SID): 960 mm or more
  - f) Clear space (free space): 765 mm or more**
  - g) Horizontal travel: 200 mm or more
  - h) Orbital motion: -35° to +90°**
3. X- ray generator & other essential features:
  - a) High frequency 200 KHz X-Ray generator with power output 1.4 kW or more but less than 4 kW
  - b) Pulsed Fluoroscopy output: 40-110 KV in 1 kV steps and Up to 10 mA or better
  - c) Digital Radiography: up to 110 kV and up to 30 mA or more
  - d) Snap Shot Digital Exposure Mode for Radiography application
  - e) Pulsed fluoroscopy mode for dose reduction: 2, 4, 6 and 8 pulses per second
  - f) Low Dose Fluoroscopic Mode for reduced dose application, up to 3mA
  - g) High Dose Fluoroscopic Mode for high definition diagnostic images up to 8mA
  - h) Peripheral Vascular Fluoroscopic Mode with Digital Subtraction
  - i) Enhanced Features: Mask, Peak and Road Map for Reduced dose and contrast media with reusable mask, Peak Opacification / subtracted image of vasculature, Road Map imaging techniques, *edge enhancement, etc.*
  - j) Must have ROI magnification with Torch feature for better clarity of select region.**
  - k) Organ specific user programs should be available
  - l) Laser Aimer should be provided for reduced radiation during centering, accurate positioning of the patient and localized indication without repeat exposures.
4. X-Ray Tube:

The unit should have Stationary anode X-Ray tube with dual focal spots. The dual focal spot should be 0.6 mm / 1.8 mm or less.
5. Collimation:
  - a) Should have motorized CAN controlled circular IRIS
  - b) Should have Virtual Collimation
  - c) Collimator must have digitally controlled soft shutters for symmetrical rectangular collimation from 10% to 100% opening which can be rotated up to 180° – Digitally Controlled

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6. Image Intensifier System
  - a) A high quality 9" Multi field Image Intensifier with Tri-field Facility of 9" / 6" / 4.5" selection, Image rotation should be possible without giving radiation to the patients
  - b) Output image diameter of II should be 23 mm or more
  - c) Motorized Ultra Compact CCD camera having minimum 1k x 1k high resolution sensor for better image quality should be provided.
7. Workstation:
  - a) 2 no's high resolution TFT/ LCD monitors with 1280 x 1024 resolution and of size 19" or more
  - b) Image Capture Resolution – atleast 1024 x 1024
  - c) Should have image storage of at least 1,00,000 images or more (1 TB or more) to eliminate the need for constant image backup.
  - d) Should have facility for Auto storage of snap shots in RAD mode & Videos up to 100 frames or more, in Fluoro Mode (Cine loop)
8. Image Display
  - a. It should be possible to have split screen display.
  - b. Simultaneous display of at least 4 reference images with individual freeze / de-freeze facility should be provided for quicker diagnosis and inference. Must have option to replace any of these images with any other sequentially numbered image stored as Thumbnail)
  - c. Automatic storage of RAD or Fluoro images with sequential numbering should be possible
9. Must display on the Live Monitor - Radiation dose delivery - image wise as well as cumulative, during the various procedures being conducted on the C-Arm.
10. Image Processing:
  - a) Last Image Hold - Should Hold the last image on the screen after every procedure during fluoroscopy
  - b) Virtual Collimation - Alignment and adjustment of X-ray field with image available on the monitor
  - c) Annotation - User interface for overlaying the required text or symbols on the image
  - d) Measurements - Tool to measure length and angle of image under study
  - e) Distance measurement between two points on live screen must be available to enable surgeons do accurate distance / line measurements.
  - f) Image Math Processing - Image subtraction and/or addition used during the vascular and roadmap procedures.
  - g) Should have Edge Enhancement feature better identification of borders of body anatomies of interest.
  - h) Acquired Image processing Resolution should be 14 bit or more
11. Independent Integrated Console Display - Should have Back-Lit LCD / LED for dialogue exchange and monitoring parameters
12. Manual contrast and brightness adjustment, zooming, magnifying glass, image rotation, annotations, last image hold, image invert – negative & positive, horizontal & vertical flip should be possible.

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13. The unit should have digital subtraction angiography (DSA) with the following features:
- a) Roadmap technique for dilation, Pixel shift, landmark re-masking should be possible
  - b) Minimization & Maximization during contrast studies.
  - c) Digital subtraction should be possible.
14. The unit should have Lookup tables and Interactive zoom feature.
15. The Leakage radiation level at 1 meter from the focus should be less than 10 mR. Products having minimal leakage radiation level will be preferred. (Please attached relevant test report)
16. Power input to be 220-240VAC, 50Hz fitted with Indian plug
17. The product offered must have European CE certification and USFDA
18. Should be an AERB approved product
19. Manufacturer should have ISO-13485:2008 certification for quality standards.

<b>Guarantee/Warranty</b>	05 years including accessories
<b>CAMC</b>	05 years after expiry of Guarantee / Warranty

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**NOTE: -**

- All accessories like UPS / Stabilizer or any other which are required for machine should be supplied by the L1 bidder.
  
- Compliance report to be submitted in a tabulated and point-wise manner (as per technical specifications), clearly mentioning the page/ para number with authenticated catalogue / manual, without which it will not be considered. Points not covered in the brochure must be specifically addressed in a separate certificate.
  - User list from Govt sector and good repute private hospitals should be provided.
  - Certificate (s) regarding standard in quality must be uploaded.
  - Expected delivery & Installation time: Within 45 days after issue of supply order.



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## TERMS AND CONDITIONS

### FOR SUPPLY AND INSTALLATION of *C-ARM MACHINE* REQUIRED 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 and installation*** 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 of the Equipment and balance 20% will be made after 60 days of the Installation and satisfactory working of the equipment.
  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 turnover of **Rs.2,00,00,000/- per year**.
  6. The successful bidder shall deposit performance security @ 10% of the basic cost of the equipment/s in the shape of **Demand Draft only** and will be returned after receipt of CAMC security.

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## **Annexure-I**

### **TECHNICAL BID COMPLIANCE STATEMENT**

Name and Address of the applicant / firm \_\_\_\_\_

Specify whether Manufacturer/Dealer/Distributor: \_\_\_\_\_

<b>Sr. No.</b>	<b>Particulars</b>	<b>Remarks</b>
1.	Tender Fee of <b>Rs.2360/-</b> 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 Rs. 80,000/- in favor of Registrar Baba Farid University of Health Sciences, Faridkot through online mode only.	Yes/No
4.	Technical Bid Compliance Proforma uploaded ( <b>Annexure-I</b> ).	Yes/No
5.	Whether an affidavit regarding Non-Black listing as per proforma given at <b>Annexure-II</b> 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 <b>Annexure-III</b> 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 ( <b>Annexure – IV</b> ) uploaded.	Yes/No
8.	Details of Bank Account for refund of EMD ( <b>Annexure – V</b> ) uploaded.	Yes/No
9.	Price Bid in the prescribed format in Excel Sheet ( <b>Annex – VI</b> ) 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 2019-20 uploaded.	Yes/No
12.	Copy of the IT Returns for three financial i.e. 2017-18, 2018-19 and 2019-20 uploaded	Yes/No
13.	Certificate regarding standard in quality <b>as per required in specifications</b>	Yes/No
14.	Compliance sheet, point wise, as per specifications uploaded	Yes/No
15.	E-mail ID	

**Signature & seal of bidder**

**Place:**

**Date :**

**Note:** Please upload Catalogue/Brochure/Pamphlets with complete specifications of quoted model only.

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**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 Equipments 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:

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DEPONENT

**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.**

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**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)

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**Annexure- V**

**Details of Bank Account of the firm who has deposited EMD**

Name of the firm: \_\_\_\_\_

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

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**ANNEXURE - VI**

**PRICE BID**

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