**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED****Procurement Cell****(A Government of Maharashtra Undertaking)****Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)****Phone No: 022- 24129320-23****Managing Director :022-24150628****General Manager (Procurement Cell) :022-24100478****Website : http://www.vaccinehaffkine.com****E-mail: procurementcell@vaccinehaffkine.com**प्रशासकीय मान्यता निधी ७२,००,०००/-
राज्य योजना २०२०-२१**No.: 6508 /Haffkine/Procurement Cell/E-3834/C-Arm
with Image Intensifier/2021-22.****Date: 09.03.22****To,****M/s. ALLENGERS MEDICAL SYSTEMS LTD.****S.C.O. 212-213-214, SECTOR 34-A,****CHANDIGARH - 160 022, INDIA.****E-Mail: govt@allengers.net****tenders@allengers.net****Subject : Supply Order for Tender No. E-3834/C-Arm with Image Intensifier.****Reference: 1. Tender No. E-3834/HBPCL/PC/C-Arm with Image Intensifier/2021-22.****2. शा. नि. क्र. : जीएचपी-२०२०/प्र.क्र.३२६/प्रशा-१ दि. २४ फेब्रुवारी, २०२१.****3. Sanction of Tender Approval Committee Meeting No. 140 Dated 20.01.2022.**

With reference to the tender cited under reference no 1, you are requested to supply the following goods as per details mentioned below to consignee list enclosed with this order.

Sr. No.	Name of the item	Specification of item	Quantity/ Unit (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1.	C-Arm with Image Intensifier Make : Allengers Model : Allengers HF-59R	As per Annexure X	04	19,55,000/-	78,20,000/-
Total amount in words: Rupees Seventy Eight Lakhs Twenty Thousand Only.					
Factory Location: ALLENGERS MEDICAL SYSTEMS LTD., BHANKARPUR, MUBARAKPUR ROAD, DERABASSI, DISTT. MOHALI (PUNJAB), INDIA.					

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 06 weeks from the date of receipt of order by the supplier to the consignee attached.
- Pre-Dispatch Inspection:** Supplier shall make necessary arrangement / facilitate to carry out Pre-Dispatch inspection as per Tender Terms & condition and submit the Inspection report to this office. The Pre-Dispatch inspection cost will be borne by supplier. Machine should be dispatched only after satisfactory Pre-Dispatch Inspection.

- 4 **Risk purchase clause:** If the bidder fails to supply the stores within the stipulated delivery period, the order will stand cancelled. Undersigned shall be entitled to purchase such stores from any other source at such price which ordinarily should not be more than 10% of the tender price. The extra expenditure in such cases shall be recovered by Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai from the Supplier.
- 5 **Payment Terms:** Payment of 100% of the contract value will be made within 8 weeks on delivery and successful installation and satisfactory commissioning and operation of the machinery.
- 6 **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
- 7 **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
- 8 **Invoice Copy** - Should be sent in triplicate on the Name of Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd.(Procurement Cell), Mumbai. Along with Bill of Entry and Country of Origin Certificate of the consignment.
- 9 **Other Terms :**
 - 1) **Warranty:** The warranty period shall be for 2 years from the date of commissioning of all equipment supplied as certified by the consignee. After completion of 2 years warranty period Manufacturer/Supplier should give commitment to ensure services and supply of spare part for further 8 years. The successful tenderer must ensure 95% uptime during warranty period. In case of downtime, warranty period will be extended for period of downtime. If the equipment is not attended within 24 hours for Mumbai and 48 hours for other places the supplier will be liable to pay a penalty of 0.07% of purchase cost for every day of delay. Such penalty will be recovered from the amount of security deposit. Certificate of such uptime / downtime issued by the end user will be binding for the supplier Replacement of spares parts thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost.
 - 2) The user institution will enter to the Comprehensive Maintenance Contract with supplier agency @ 5% of the order value (excluding taxes) of the equipment per year for 8 years after completion of warranty period. In case of non-compliance of CMC the supplier will be liable to pay penalty or for appropriate action. Payment of CMC on yearly basis will be made by the user's institution, at the end of the year after satisfactory performance report from the end user.
- 10 **Contract Agreement:** Bidder should submit Contract Agreement on non-judicial stamp paper of requisite value.

Fall Clause

It is a condition of the contract that all through the currency thereof, the price at which you will the supply stores should not exceed the lowest price charged by you to any customer during the currency of the contract and that in the event of the prices going down below the rate contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.


- 11 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 1,17,300/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 2,34,600/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee valid for 2 months after the expiry of date of warranty issued by any Nationalized / Scheduled Bank.

Amount to be deposited to Following Account:

Name of Account	Haffkine B P C L (Procurement Cell), CESS Account
Name of the Bank & Branch	Bank of Maharashtra, Branch- Mumbai Parel
Account No.	60381379835
IFSC Code	MAHB0000079

Consignee: As per list enclosed

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता


Smt. Sushama Patil
General Manager

Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.

Copy to:

- 1) Commissioner Health Services, Mumbai.
- 2) Director, Medical Education & Research, Mumbai-400 001.
- 3) Account Manager, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai.
- 4) Office File.

Copy to Consignee: **Dean, Government Medical College & General Hospital, Baramati.** As per Tender Condition No.17 The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Order value (excluding taxes) of equipment per year for Eight years after Completion of warranty period.

Copy Submitted to: 1) Secretary, Medical Education & Drug Department, Mantralaya, Mumbai.

Annexure-X

Specification for C-Arm with image intensifier

Microprocessor controlled C-arm machine should provides the excellent image quality at low radiation, ideally suited for general surgeries in many application fields and special application such as orthopedics, urology, Gastroenterology, pain management, Spine fixation & Neurology.

A) IMAGE INTENSIFIER:

- Image Intensifying Tube: 9 Inches, Triple Field.
- Camera: High Resolution camera.
- Monitors: Two nos. 19" Medical display monitors mounted on trolley.

B) C-ARM MOVEMENTS:

1. Rotation: +180 Degrees.
2. Motorized Up/down: 420mm or more
3. Horizontal Travel: 200 mm or more
4. Arc Orbital Movement: 120 Degrees.
5. Wig Wag: ± 12.5 Degrees.
6. Source to Image distance should be more than 940mm.
7. Depth of "C" should be at least 650mm
8. ELECTROMAGNET LOCK: Electromagnet lock should be provided in horizontal movement. Handle on Image Intensifier & on horizontal Carriage with electromagnet release switch should be provided.

C) X-RAY GENERATOR:

- High Frequency (50 KHz)
- Output power should be 6KW or more.
- Fluoro & Rad. KV 40 to 120 KV.
- Radiographic mA: 100mA or more
- Pulse Fluoroscopic mA(Average):-
 - Up to 4mA or more (Normal Mode)
 - Up to 8mA or more (HD/Boost Fluoro mode)

D) X-RAY TUBE & COLLIMATOR:

- Monoblock tube head having dual focus rotating anode X-Ray tube of focal spot 0.3mm (small Focus) & 0.6mm (large focus) should be provided.
- Anode Heat Storage capacity should be 200kHU or more.
- Iris with preview Collimator and Full Parallel shutter collimator should be provided.

E) CONTROL: Control should have the following:

A very compact, soft touch control panel (APR) with L.C.D display on which KV, fluoro mA, radiography

mAs, fluoro time, I.I Zoom, error interlocks for KV, filament and thermal overload are displayed. Console

panel has following functions and indications.

- Machine ON/OFF switch.
- I.I magnification (I.I field) selection switch.
- Fluoro and Radio mode selection.
- Fluoroscopy timer (Five minute cumulative timer with buzzer that activates after the completion of 300 seconds of exposure to reinitiate the exposure reset switch is provided).
- ABS (Automatic brightness stabilization) selection for hand free operation- also known as ADR
- KV and mAs increase and decrease switches.
- X-Ray ON switch with indicator

Switches for up/down movement of "C" on both side of panel.

- Radio and Fluoro Exposure ON Switches on Panel
- Emergency OFF switch on the control panel.
- Image rotation & Flip from control Panel
- Image transfer to 2nd monitor.
- Laser Centering device.

F) **MEMORY SYSTEM** should include the following: -

Standard features detail

- Image processing software with real time image capturing, storage, and display in 1K x 1K format.
- Pulse fluoroscopy facility with frames rate up to 30 FPS for Fluoro and Cine modes.
- Cine loop storage up to 150 frames (Multiple cine loop storage)

Operating Modes

- Fluoroscopy
- Boost Fluoro/ Cine

DSA:

- Up to 6 FPS image acquisition for DSA
- R-Mask
- Land marking (%age based)
- Pixel Shift
- Facility to view Subtracted and Unsubtracted image Display at same time.

Roadmap:

- Real time path map
- Facility to view Roadmap and Fluoroscopy image display at
- Same time.
- Peak Hold

Image Processing:

- Real time noise with reduction with Averaging up-to 16.
- Recursive filter for image smoothing, Contrast, Brightness, Sharpness.
- Interactive Zoom and Pan.
- DPre-programming for image setting for different operating Modes
- Image Inversion.
- WW/WL level adjustments.
- Image Flipping and Image Rotation Clockwise or Anti-clockwise.
- Live to Reference image View.
- Cine Loop Play(Auto and Frame wise)
- Real time Image Rotation & Flip (Horizontal/Vertical)
- Real time Inversion.
- Metal Compensation.
- Torch Tool to enhance the contrast at particular region.

Collimator:

- Ultra-fast Preview collimator adjustment without radiation.

DAP Module:

- DAP dose integrated in software and total summary for Fluoro/Cine Save and display.

DICOM Features:

- Connectivity with DICOM workstation/PACS
- DICOM Send
- DICOM Printdynamic Zoom up to 400%

Pre-programming for image setting for different operating Modes

- Image Inversion.
- WW/WL level adjustments.
- Image Flipping and Image Rotation Clockwise or Anti-clockwise.
- Live to Reference image View.
- Cine Loop Play (Auto and Frame wise)
- Real time Image Rotation & Flip(Horizontal/Vertical)
- Real time Inversion.
- Metal Compensation.
- Torch Tool to enhance the contrast at particular region.

Collimator:

- Ultra-fast Preview collimator adjustment without radiation.
- DAP Module:
- DAP dose integrated in software and total summary for Fluoro/Cine Save and display.
- DICOM Features:
- Connectivity with DICOM workstation/PACS
 - DICOM Send
 - DICOM Print
- DICOM Worklist

Storage:

- Storage capacity of >50000 frames.
- Fluoro saving as per user need
- LIH saving as per user need

Annotation

- Text
- Line
- Ellipse
- Rectangle
- Ruler
- Angle

Measurements:

- Stenosis Measurement
- Length/ Distance measurement
- Area measurement
- Angle Measurement

Accessories:-

- Thyroid Guards- 2Nos.
- Lead Aprons of 0.25 mm lead equivalence:- 05Nos.

G) Power requirement:

- The unit should be operable on Single Phase 230 V \pm 10% AC, 50 Hz
- Suitable rating voltage stabilizer should be provided.


H) OTHER REQUIREMENTS:

- The company should be ISO certified company.
- The quoted model should be European CE Certified with Notified Body No.
- The unit should be approved by AERB.
- The company should have a Service center in State.
- The company should have proven track record in Govt. sector

Consignee Details

M/s. Allengers Medical Systems Ltd.		
C-Arm with Image Intensifier		
Make : Allengers		
Model : Allengers HF-59R		
Delivery Period	06 weeks	
PO Ref. No.	No.: 6508 /Haffkine/Procurement Cell/E-3834/C-Arm with Image Intensifier/2021-22. Date: 09.03.22	
प्रशासकीय मान्यता निधी ७२,००,०००/- राज्य योजना २०२०-२१		
Sr. No.	Name & Address of the Consignee	Oty. (DMER)
1.	Government Medical College & General Hospital, Baramati.	04
Total :		04

भा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता


Smt. Sushama Patil
General Manager
Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.

