



**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
	No.: 630 / Haffkine/Procurement Cell/E-147/C-Arm Image Intensifier Machine / 2018-19 Date: 19.11.2018

To,

M/s. Trivitron Healthcare Pvt. Ltd.  
# 15, IVth Street Abhiramapuram,  
Chennai-600 016.

E-mail: [groupmarketing@trivitron.com](mailto:groupmarketing@trivitron.com), [navjot.singh@trivitron.com](mailto:navjot.singh@trivitron.com)

Sub: Supply Order for C-Arm Image Intensifier Machine

Ref.: 1 Tender No. E-147 /HBPCL/PC/C-Arm Image Intensifier Machine /2017-18.

2 Sanction of Tender Approval Committee Meeting Dated 04.10.2018

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 Rate inclusive of GST(Rs.) and all other Taxes.	Total Amount Rs.
1.	C-Arm Image Intensifier Machine. Model : Kiran Infinity	As per Annexure I	04	11,90,000/-	47,60,000/-

Total amount in words: Rupees Forty Seven Lakh Sixty Thousand only.

Location of Factory : D-117, TTC Industrial Area, Village Shirvane, P.O. Nerul, Dist. Thane Mumbai- 400706.

1. **Forwarding:** Forwarding Free on Road Destination. i.e. door delivery basis.
2. **Delivery Period:** 06 weeks from the date of receipt of order by the supplier to the consignee attached.



3. **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** : 100 % Payment shall be paid on receipt, Complete Installation (acceptance) of Machine in good conditions by the consignee.
6. **Labelling::** The word "**For use of GOVERNMENT OF MAHARASHTRA NOT FOR SALE**" should be printed on each unit pack in readable Purple or Green Colours.
7. **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
8. **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
9. **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.

10. **Other Terms:**

- a. **Warranty:** The warranty period shall be for 2 years from the date of commissioning of all equipment supplied as certified by the consignee. Replacement of spares parts thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost.  
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.
  - b. The user institution will enter to the Comprehensive Maintenance Contract with supplier agency @ 5% of the written down value of the equipment per year for Eight 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.
11. **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 this contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.

12. The Bidder should submit (within 7 days) amount of 1.5% ie. Rs. 71,400/- of order value to meet expenditure of other incidental expenditure and 3% i-e Rs. 1,42,800/- as Security Deposit in form of Bank Guarantee, This Bank Guarantee should be valid for 8 years after the expiry date of warranty issued, by any Nationalized / Scheduled Bank.

**Amount to be deposited to following Account:**

Name of Account	Haffkine Bio-Pharmaceutical Corporation Ltd. (Procurement Cell),CESS Account Mumbai.
Name of the Bank & Branch	Canara Bank, Branch-Parel
Account No.	0110201004893
IFSC Code	CNRB0000110

*Smt Sampada Mehta*  
17/11/18  
**Smt Sampada Mehta**  
Managing Director Haffkine Bio  
Pharmaceutical Corporation Ltd.  
(Procurement Cell), Mumbai.

Copy to:

1. Commissioner Health Services, Mumbai.
2. Director of Medical Education & Research.
3. Account Manager , Haffkine Bio Pharmaceutical Corporation Ltd.(Procurement Cell), Mumbai.
4. Office File.
5. Copy to Consignee. :- 1) Dean GMC, Akola 2) Dean GMC Yavatmal 3) Dean GMC Aurangabad : As per Tender Condition No. 17 The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Written down value of the equipment per year for Eight years after Completion of warranty period.

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

Annexure -I

**C-Arm Machine / C-Arm Image Intensifier.**

Sr. No.	Technical Specification for C-Arm Machine/C-Arm Image Intensifier
1	Image Intensifying Tube:9Inches triple filed/dual Noraml=9",zoom 6",Zoom <sup>2</sup> = 4.5"
2	Nominal Entrance field Size:23cm
3	Output image Diameter: 20mm or more
4	CCD Camera: High resolution compact CCD camera size pixels: 750 x 580
5	Monitor: Two nos. 19" monitor along with a trolley LCD/LED monitor (Medical Grade)
	B) C-ARM MOBILE STAND
1	Rotation: 180 degrees
	Motorized Up/Down :400mm or above
	Horizontal Travel: 200mm
	Arc Orbital Movement: 115 <sup>0</sup> & above.
	WigWag: ± 12.5 degree
	C) X-RAY GENERATOR
1.a.	Tube Head (Monoblock): 40KHz. Stationary anode tube of focal spot 0.6mm (FLR) &1.5mm (RAD)
b.	Max. Voltage: 110Kv.
c.	Fluroscopic mA:0.2-3mA (normal mode).
2.	INVERTOR: AC/DC convertor for H.F. X-ray generator
a.	Mains Voltage: 230VAC ± 10%, 50Hz.
b.	Max-output power: 3.5kw and above.
	CONTROL
1	Digital Display of : -KV: 40 to 110 User selectable -mA -Fluro Time
2	Technic Selection: Fluro and rad. Mode seccion
3.	Radiographic Timer: Timer should be an inbuilt rad. Timer enables to selects mAs in steps for radiography.
4.	Fluroscopic Timer: Five minutes cumulative timer with buzzer.
5.	Fluro mA: Continuously variable.
6.	Image Orientation on Monitor: Image should be rotated ±360° on first monitor and can be flipped and mirrored on the second monitor through memory.
7.	Monobock Temp. Sensor: Thermal safety cut off should be provided.
8.	Self Diagnostic: Various LED's shall indicate the sequences of machine operation & any errors should be highlighted.
9.	Power Supply: There should be single phase 230V, ±10% AC, 50Hz (equipment operatable on standard 15 Ampere power socket) with independent earthing.
10.	Servo Voltage Stabilizer : A Servo Voltage Stabilizer of Suitable rating should be provided.
11.	Automatic Brightness control : Should be provided to operate the equipment in automatic mode for hands free operation
D)	DIGITAL IMAGE MEMORY SYSTEM



Sr. No.	Technical Specification for C-Arm Machine/C-Arm Image Intensifier
	There should be 100 or more frame memory with the following features
1	Feature of LIVE / PLUSE/LIH
2	Contrast enhancement function
3	Temp. & Permanent storage up to 100 frame
4	Negative image feature
5	Zoom Feature (x2 & x3).
6	Mirror feature
7	Image rotation feature
8	Pen drive provision
9	Keep date & Time
10	QUAD view or dual
11	Image Panning
12	PC Connectivity through LAN port
	COMBINATIONS
	(High frequency (40 kHz mobile C-arm, 9" Image intensifier, 100 F digital Image memory and two nos. 19" monitors)
	ADDITIONAL REQUISTION OF REQUITEMENTS
	Collimator should be provided
	X-ray tub-stationary anode X-ray tube of focal spot of 0.6 mm <sup>2</sup> or more for (small) + 1.2 mm <sup>2</sup> or more for (Large) to be provided
	FRANE MEMORY
1	Feature of LIVE/LIH/PULSE
2	Averaging 1 to 2 frames or more
3	Contract enhancement function
4	Temporary & permanent storage upto 100 or more frames
5	Zoom feature (x2 & x3).
6	Mirror feature
7	Negative image feature
8	Pen drive/USG port
9	Keep date & time
10	PC Connector through LAN
11	QUAD view or Dual
12	Image rotation feature
13	Accessories 1) Cloth cover with C-arm 2) Cloth cover for X-ray Tube 3) Clips for cloth cover 4) Lead gown-10 nos. 5) Inbuilt ups/Voltage stabilizer

Sr. No.	Technical Specification for C-Arm Machine/C-Arm Image Intensifier
14	Other requirements 1. Should be AERB Type approved 2. Should be ISO-9001, ISO-13485; CE from European notified body. (valid certification ) should be submitted along with technical bid
15	Optional Laser marker, Cost to quoted separately.
16	Split AC with minimum 5 star of reputed company qty -2 Nos.
17	Monitor 2 Nos.
18	Installation should include QA.

**Consignee Details.**

M/s Trivitron Healthcare.			
C-Arm Image Intensifier Machine.			
Model : Kiran Infinity.			
Delivery Period	06 Weeks.		
PO Reference No.	No.: / Haffkine/Procurement Cell/E-147/C-Arm Image Intensifier Machine / 2018-19 Date: .2018		
Sr. No.	Name of the Consignee	Address of the Consignee	Qty.
1.	Government Medical College, Akola.	Government Medical College, General Hospital Campus, College Office Road, Akola-444001	1.
2.	Shri. VasantroNaik Govt. Medical College, Yavatmal.	Shri. Vasantro Naik Govt. Medical College, Civi Line Yavatmal-445001.	1.
3.	Government Medical College& H, Aurangabad.	Government Medical College& H, Ghati Hospital Compound, Near Panchakki Road, Aurangabad-431001	2.
<b>Total:</b>			<b>04.</b>

*Smt Sampada Mehta*  
17/11/18

**Smt Sampada Mehta**  
**Managing Director Haffkine Bio**  
**Pharmaceutical Corporation Ltd.**  
**(Procurement Cell), Mumbai.**