**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****Website : http://www.vaccinehaffkine.com****Managing Director :022-24150628****E-mail: procurementcell@vaccinehaffkine.com****General Manager (Procurement Cell) :022-24100478****No.: 7115 /Haffkine/Procurement Cell/E-4450/  
Digital Radiography Machine with Dual Flat Panel  
Detector with High Frequency X Ray Machine/ 2022-23.****दि: २४.०९.२०२१ प्रशासकीय मंजूर निधी ३०,००,०००/-  
( State Plan २०१९-२० ) (Qty.- 01)****Date: 19/07/2022****To,****M/s. Konica Minolta Healthcare India Pvt. Ltd.,****Office No. 201, 2<sup>nd</sup> Floor, Atrium 2,****Chakala, Andheri (East), Mumbai – 400093.****Contact No.: 9773456214.****E-Mail: sales@mi.konicaminolta.in****Subject : Supply Order for Tender No. E-4450/Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine.****Reference: 1. Tender No. E-4450/HBPCL/PC/Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine/ 2021-22.****2. शासननिर्णय, क्रमांक - खरेदी-२०१९/प्र.क्र.२७६/प्रशा-१  
दिनांक : २४ सप्टेंबर, २०२१.****3. Sanction of Tender Approval Committee Meeting No. 157  
Date : 16.06.2022.**

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	Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine Make : Konica Minolta Inc- AeroDR NS with Drypro Sigma II, Medion Healthcare Pvt. Ltd. Model : Mi 300 HF	As per Annexure X	01	30,00,000/-	30,00,000/-
<b>Total amount in words: Rupees Thirty Lakh Only.</b>					
<b>Factory Location: Konica Minolta Inc., 1, Sakura-machi, Hino-shi, Tokyo, 191-8511, Japan</b>					

**1 Forwarding: Forwarding Free on Road Destination. I.e. door delivery basis.****2 Delivery Period: 12 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:** 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 a tripartite (Importer, Manufacturer and Haffkine Bio Pharmaceutical Corporation Ltd.) 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.

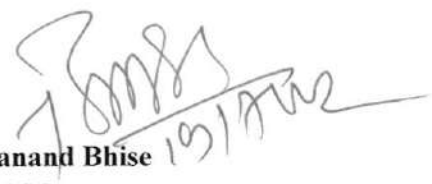
- 11 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 45,000/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 90,000/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee valid for 2 months after the expiry of date of warranty issued by any Nationalized / 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

  
**Dr. Sadanand Bhise**  
**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, Urban Health Centre, Bandra.:** 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

### Technical Specification of Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine

A Digital Radiography System with 300 mA High Frequency X-Ray Generator for General Radiography with dual flat panel detectors of size 14" x 17" along with table bucky and vertical bucky capable of taking the complete range of radiographic examinations with the following Specifications & Configuration.

#### **Flat Panel Detector (FPD with TFT technology): 2nos.**

- 2 no. Digital Wireless Flat Panel Detector system should be provided with Size of 14" x 17" or more.
- The Scintillator material of the detectors should be made up of Caesium iodide and sensor with Thin Film Transistor (TFT) and Amorphous Silicon technology.
- The detectors should be capable of doing out of bucky radiography and also Lateral supine Radiography must be possible.
- The detectors offered should have on board memory capable of storing up to 100 images.
- The detectors should have a minimum spatial resolution of 3 lp/mm or more.
- Detector array Size : Should be a minimum of 2.3k x 2.8k pixels or higher.
- Pixel Pitch : 150 microns or less.
- A to D conversion : 16 bits.
- The detector offered should be light in weight with less than 4 kgs, enabling ease of use for operations and easy positioning at the time of out of bucky exposures.
- Images pre-viewing should be available within 5 secs after exposure and the cycle time should be less than 12 seconds.
- The battery must be of latest Lithium Ion type. 2 Nos Batteries along with battery charger should be provided. In case of inbuilt Battery, detector manufacturer should either replace battery or detector in case of any breakdown of battery.
- Detector offered should be capable of handling 150 or more exposures or 5 hours of operation in single full charge.
- The detectors should have Automatic Exposure Detection as standard feature.
- The detector should be able to work at normal room temperature and humidity. The detector system should not require frequent calibrations on daily start-up.
- Offered detector should have load bearing capacity of 150 kgs or more.
- Detector panel cover to safe guard from fall should be provided mandatory.

#### **Image Processing Console:**

- The DR Console should be offered with high speed processor with high resolution monitor of 17" or more.
- Windows and Level Adjustments.
- Annotations must be possible.
- Previews of images should be available in about 5 sec or less.
- Zooming, ROI, Image Cropping and grid removal function should be available.
- Soft tissue processing must be possible.
- System should be offered with orthopaedics measurement tools.
- Should offer capability of local image storage.
- Should be capable of connecting minimum of 2 Flat panels simultaneously.
- Should be capable of connecting directly to the Dry Laser printer.
- Should have capability to push Images to location (s) of choice such as:
- System should be offered with orthopaedics measurement tools.




<ul style="list-style-type: none"> <li>○ Workstations</li> <li>○ PACS</li> <li>○ External Storage Devices</li> <li>○ DICOM Printer (s)</li> </ul>
<b><u>HIGH FREQUENCY X-RAY MACHINE WITH GENERATOR:- Qty 1 no.</u></b>
Generator should be of latest technology with high frequency offering 40 kHz or more X-Ray generator.
Power output of the generator should be 15 KW or more providing 300mA or more.
Generator should offer 3 point technique & user should have following parameters selection range. <ul style="list-style-type: none"> <li>– KV range should be 40 to 125KV.</li> <li>– mA output : 300 mA or more.</li> <li>– mAs range should be 1 to 320mAs or more.</li> <li>– Exposure time should be 1ms to 5 secs or better.</li> </ul>
<b><u>CONTROL PANEL :-Qty 1 no.</u></b>
Soft Touch Control Panel having following functions & indications should be provided. The panel can be supplied in Floor or Wall mount with Spill Proof design.
Following features should be available on the control panel. <ul style="list-style-type: none"> <li>• Machine ON/OFF Switch.</li> <li>• Digital Display for display of X-Ray parameters of KV &amp; mAs. There should be option of selecting mA station.</li> <li>• mA KV &amp; mAs Increase and decrease switches.</li> <li>• Tube focal spot selection Switch.</li> <li>• Ready and X-Ray on switch with Indicators.</li> <li>• Bucky Selection Switch.</li> <li>• Self-diagnostic Program with Indicators for Earth fault error, KV error, filament error &amp; Tube's Thermal Overload.</li> <li>• Anatomical programming radiography (i.e. APR) should be provided in which KV &amp; MAS are automatically selected depending upon the physique of the patient and part of the body to be X-rayed.</li> <li>• Anatomical Programming 70 programs or more.</li> <li>• A dual action hand switch with retractable cord should be provided.</li> </ul>
<b><u>TUBE:- Qty 1 no. (Chinese make tube is not acceptable)</u></b>
<ul style="list-style-type: none"> <li>• One No Dual focus Rotating anode X-Ray tube with Small Focus 1.0 mm or less &amp; Large focus 2.0 mm or less.</li> <li>• Anode Heat storage capacity of the tube should be 140 KHU or more.</li> <li>• One Pair of 6 meter H. V. cable.</li> <li>• One No. collimator with auto shut off facility should be provided.</li> </ul>
<b><u>HV TANK :- Qty 1 no.</u></b>
A very compact H. V. Tank filled with high dielectric transformer oil should be provided. The H. V. Tank should contain H. V. transformer, Filament Transformers, H. V. Rectifiers & H. V. Cable receptacles.
<b><u>Tube Stand :- Qty 1 no.</u></b>
Ceiling free stand with counter balanced tube head, 360 <sup>0</sup> Rotatable mounted on floor rails for convenient movement should be provided.
<b><u>Table:- Qty – 1 no.</u></b>
<ul style="list-style-type: none"> <li>• Horizontal table with 4 way movement of the table top or plain horizontal fixed bucky table should be provided as per site condition.</li> <li>• Transverse and longitudinal movements of the tabletop should be locked by</li> </ul>

electromagnetic locks.
<ul style="list-style-type: none"> <li>• Table should consist of Motorized reciprocating bucky with grid of Ratio 8:1, 103 lines/inches.</li> <li>• The bucky should cover the entire length of the table &amp; should be locked at any desired position by an electromagnetic Lock.</li> <li>• The table top should be made of low radiation absorption, water proof material.</li> <li>• Table accessories like stainless steel cassette tray, compression band should be provided.</li> <li>• Bucky tray should have facility to accommodate cassette type wireless Flat panel detector.</li> </ul>
<b><u>Vertical Bucky Stand or Wall chest stand :- Qty – 1 Nos.</u></b>
<ul style="list-style-type: none"> <li>• Vertical bucky stand with oscillating grid ratio of 8:1, 103 lines/inches to be provided.</li> <li>• The bucky should move up &amp; down and should have arrangements to be equipped with wired cum wireless Flat panel detector.</li> <li>• The stand should be floor mounted type and if space is not available than wall mounted chest stand to be provided.</li> </ul>
<b><u>Accessories – To be offered as standard:</u></b>
Following accessories should be supplied with the machine at the time of installation.
<ul style="list-style-type: none"> <li>• Workstation with 17" monitor or more.</li> <li>• Lead Apron 0.5mm Pb equivalent – 2No.</li> <li>• Dry Laser printer 500 DPI or more with Minimum 2 online user configurable trays capable of printing film of size 14x17, 11x14, 10x12 &amp; 8x10 inches (any 2 at a time).</li> <li>• Two Packets of films of 10x12 and 8x10 size should be provided.</li> <li>• 3kVA or more online UPS for providing minimum 15 Mins power backup for Console, workstation PC &amp; printer.</li> <li>• LED view box should be provided such that two 14x17 size films could be easily seen at a time – Qty 1nos.</li> </ul>
<b><u>OTHER REQUIREMENTS:</u></b>
<ul style="list-style-type: none"> <li>• Detector, Console Software and printer should be from the same manufacturer.</li> <li>• The offered detectors should be CE &amp; USFDA Approved an x-ray machine should be BIS compliant and have AERB approval.</li> <li>• As the detector being the most expensive part, the bidder must be the manufacturer of the detector.</li> <li>• Bidder should have proven track record in government sector and should have installed similar DR system during last one year in government or private setup.</li> <li>• Easy availability of spares in India.</li> <li>• Trained engineers to maintain and support the system.</li> <li>• All specifications to be provided with original product data sheet/catalogue.</li> <li>• Offered system should have 2 years warranty from date of installation and 5 years CMC to be quoted separately.</li> </ul>
<b><u>POWER REQUIREMENTS:</u></b>
The unit should be operable on 3 Phase, 440Volts AC 50Hz with line resist less than 0.4 Ohms. Line Regulation $\pm 10\%$ .
<b><u>TURNKEY:</u></b>
<ul style="list-style-type: none"> <li>• Necessary turnkey works as per AERB compliance should be done.</li> <li>• Successful bidder has to do all the minor electrical, civil and mechanical work for installation and finishing in the room.</li> <li>• Chairs for use of technologist should be provided – 2nos.</li> <li>• Stable power supply with proper grounding and MCCB will be provided by the hospital.</li> </ul>

Consignee Details

M/s. Konica Minolta Healthcare India Pvt. Ltd.		
Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine Make : Konica Minolta Inc-AeroDR NS with Drypro Sigma II, Medion Healthcare Pvt. Ltd. Model : Mi 300 HF		
Delivery Period	12 weeks	
PO Ref. No.	No.: 7115 /Haffkine/Procurement Cell/E-4450/ Digital Radiography Machine with Dual Flat Panel Detector with High Frequency X Ray Machine /2022-23. Date: दि: २४.०९.२०२१ प्रशासकीय मंजूर निधी ३०,००,०००/- (State Plan २०१९-२०) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Urban Health Centre, Bandra.	01
	Total	01

मा. व्यवसायीक संचालन यांच्या मान्यतेने व करिता

  
Dr. Sadanand Bhise  
General Manager

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