

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.: 6897 /Haffkine/Procurement Cell/E-2668/ Digital Radiography Machine/ 2021-22.
दि: १८.०१.२०२० प्रशासकीय मंजूर निधी ९८,७९,०४४/- (DPDC २०१९-२०) (Qty.- 01)	Date: 24/06/22

To,

M/s. Allengers Medical Systems Ltd.,

S. C. O. 212-213-214, Sector 34-A,

Chandigarh – 160 022, India.

Contact No.: 9323850067.

E-Mail: govt@allengers.net

tenders@allengers.net

Subject : Supply Order for Tender No. E-2668/Digital Radiography Machine.

Reference: 1. Tender No. E-2668/HBPCL/PC/Digital Radiography Machine/ 2020-21.

2. शासननिर्णय, क्रमांक - जीएचए-२०१९/प्र.क्र.२८१/प्रशा-१
दिनांक : १८ जानेवारी, २०२०.

3. Sanction of Tender Approval Committee Meeting No. 146
Date : 09.03.2022.

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 Make : Allengers Model : DIGIX FDX	As per Annexure X	01	98,39,949/-	98,39,949/-
Total amount in words: Rupees Ninety Eight Lakhs Thirty Nine Thousand Nine Hundred Fourty Nine Only.					
Factory Location: Bhankarpur, Mubarakpur Road, Derabassi, Dist. 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. 1,47,599/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 2,95,198/-** 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

भा. 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, Government Medical College & Hospital, Aurangabad.:** 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

Sr. No	Technical Specification of Digital Radiography Machine
1.	Specifications for Digital X-ray Machine
a.	A fully digital radiography system capable of detector exposure and image acquisition in vertical, horizontal and oblique positions to perform all skeletal body and chest radiography. Complete system operation with control of generator, X-ray tube and imaging system from a single integrated user interface should be possible.
b.	The system should have two detectors one in the patient table and one in Bucky wall stand, with one integrated control console capable of controlling Generator, X ray tube, imaging system and table from the central console.
c.	System should have a ceiling mounted X ray tube support, capable of motorized movement in Zaxis direction.
d.	<u>Automatic tracking of tube and detector and Automatic centering of X-ray tube should be a standard feature in z direction.</u>
2.	Generator:
a.	Generator should be of latest technology with High-frequency, multipulse generator with inverter principle and automatic exposure control(AEC) for constant output
b.	<u>Output – Minimum 52 Kw or higher.</u>
c.	kV range should be at least 40 kV-150kV
d.	It Should have automatic exposure control device (AEC)
e.	Automatic facility to recognize detector format (in portrait or landscape) to avoid unnecessary exposure, should be possible
f.	It should have digital display or kV and mAs and ms in the console and the tube housing
g.	Anatomical programming radiography should be possible, At least 1000 pre-programmed organ programs should be possible.
h.	It should have overloading protection.
3.	<u>X-ray tube and Collimator, detector</u>
a.	The X-Ray tube should be ceiling mounted with rotating anode with high speed of 8000 RPM or higher, fully compatible with the generator and must have dual focus. Focal spot of the following sizes are required:
b.	<u>Large focus: 1:2mm or less better will be preferred output 80kW will be preferred</u>
c.	Small Focus: 0.6mm or less with output 40kW
d.	<u>Tube should be with anode heat storage capacity of 300 kHU or more Higher wil be preferred.</u>
e.	The X-ray tube should have Multi leaf collimator having halogen lamp/bright light soure.
f.	Collimator should have a rotation of up to maximum of + 45°, should have manual and motorized control and controllable using the organ programs.
g.	<u>The X-ray tube should be manufactured by reputed manufacturer. The company should mention the name of X ray tube manufacturer. If the user has objection about x ray tube and manufacturer then the company should replace it with reputed good manufacturer.</u>
h.	The detector should be flat panel detector of latest technology of reputed make having good material, better pixel size. Pixel matrix, resolution, detector size. Better will be preferred.
4.	Ceiling mounted column support
a.	Ceiling mounted tube support with Auto tracking should be provided
b.	Movement should be motorized in the Z-axis direction
c.	A color touch screen should be available on the X-ray tube for control and display of multiple functions. Touch screen should correct display orientations, when the tube is

	rotated also.
d.	Vertical 180 cm or more should be available
e.	Minimum focus to ceiling distance should be 83 cm
f.	Specify the horizontal and vertical tube rotation angle around the respective axes.
g.	Tube rotation should be possible in the horizontal and vertical axis and rotation of tube about vertical axis at ± 90 degree should be possible with stop position at 0 degree, 90 degree and 180 degrees.
h.	Specify tube horizontal and vertical travel range of the tube
5.	Patient Table
a.	Horizontal Table with floating table top and motorized up and down movement Longitudinal travel should be minimum ± 46 cm and transverse travel should be minimum ± 13 cm and the table movement should have electromagnetic brakes. Table Height should be 96 cm or less & possibility of taking Patient weight 250kg or more Whole body head to toe examination of patient should be possible without repositioning
b.	The grid supplied with the table should be of focus of 115 cm.
c.	Patient coverage should be 180 cm or more without repositioning
d.	It should have wireless CSI detector if size 35cm x 43cm or more.
e.	Auto Tracking movements of X-ray tube during table up and down movements should be standard, so that the SID is maintained as a constant.
f.	Automatic exposure control should be offered as standard.
6.	Vertical Bucky stand with integrated detector
a.	The unit should be provided with Vertical Bucky with tilt facility
b.	It should have provision to do chest radiography without grid
c.	The vertical Bucky stand should accommodate an integrated CSIsolid state detector of size 43 cm x 43 cm
d.	The grid supplied with the table should be of focus of 180 cm.
e.	Tilt of the vertical Bucky must be possible between -20° to $+90^\circ$ with stop at 0 deg & 90 deg
f.	Tube tracking should be possible in the vertical direction
g.	It should have automatic exposure control.
7.	Image acquisition and image processing based on body part and viewing position
a.	The digital workstation should be based on the latest high speed processor of at least 12 bit
b.	It should have the possibility of acquiring the images from the detector system and retrieval of patient list and examination data from Hospital/Radiology Information systems (HIS/RIS) should be possible.
c.	It should have image storage disk of 10,000 images or more.
d.	The system should have ready DICOM Interface and networking capability with RIS/HIS/PACS
e.	Post processing function must be available.
f.	Console station must be provided for image processing, image display, post processing function and networking with anti glare color monitor of LCD type with size 19" with matrix of 1024 X 1024
g.	Dry camera of 500 dpi or more for printing the images on film should be available.
8.	Essential Accessories
a.	Voltage stabilizer for the complete DR system should be quoted along with the unit. It should be of required capacity and the make and capacity of the voltage stabilizer should be specified.
b.	On line UPS with suitable rating and 30 minutes back up for console / digital system should be supplied along with the DR system
9.	Warranty

	Warranty of 2 year of all parts as well as accessories and auxiliary units supplied with the main equipment. (including all third party items). This should include the x-ray tube and the Flat panel detector also. After warranty, cost of 8 yrs CMC inclusive of x ray tube and detector should be included in the initial cost of the machine. (In total 10 yrs of complete maintenance of machine).
10.	Others
a.	The system should be supplied by reputed company with good track record of life of the DR systems including X-ray tube, detector etc. All the major components and software X-ray tube, generator, detectors should be compatible with each other and of reputed make. Company should mention the make of all components. If any problem come it will be responsibility of company to replace it with appropriate one.
b.	The system should have all necessary approvals such as CE and US FDA approval and AERB Type approval. Compulsory Indian and other approval certificates are preferable.
c.	Installation and transport of goods, AERB certification, generator backup, pest control to be done by company.
d.	Necessary civil and electrical work as per requirement. All necessary air conditioners and furniture should be provided
e.	Electrical supply three phase till gantry room should be done by company
	All other necessary charges as per site requirement.

Consignee Details

M/s. Allengers Medical Systems Ltd.		
Digital Radiography Machine		
Make : Allengers & Model : DIGIX FDX		
Delivery Period	06 weeks	
PO Ref. No.	No.: 6897 /Haffkine/Procurement Cell/E-2668/ Digital Radiography Machine/2021-22. Date: 24/06/22	
	दि: १८.०१.२०२० प्रशासकीय मंजूर निधी ९८,७९,०४४/- (DPDC २०१९-२०) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & Hospital, Aurangabad.	01
	Total	01

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता


Dr. Sadanand Bhise

General Manager

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