



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.: 6847 /Haffkine/Procurement Cell/E-2385/ 3 Tesla M.R.I Machine with Turn Key/ 2022-23.
दि: १३.०८.२०१९ प्रशासकीय मंजूर निधी १३,२०,००,०००/- (श्री. सार्डवावा संस्थान विस्वस्त व्यवस्था शिर्डी व जिल्हा खनिज प्रतिष्ठान चंद्रपुर २०१९-२०) (Qty.- 01)	Date: 13/06/2022

To,

M/s. Philips India Ltd.,

Unit No. 402, 4th Floor, B Wing,

Times Square, Sakinaka, AK Road,

Andheri East, Mumbai – 400072.

Contact No.: 9920290677.

E-Mail: santosh.mhatre@philips.com

Subject : Supply Order for Tender No. E-2385/3 Tesla M.R.I Machine with Turn Key.

Reference: 1. Tender No. E-2385/HBPCL/PC/3 Tesla M.R.I Machine with Turn Key/ 2019-20.

2. शासननिर्णय, क्रमांक - जीएचसी-२०१९/प्र.क्र.१७२/प्रशा-१

दिनांक : १३ ऑगस्ट, २०१९.

3. शासननिर्णय, क्रमांक - जीएचसी-२०१९/प्र.क्र.१७२/प्रशा-१

दिनांक : ०७ जून, २०२२.

4. Sanction of Tender Approval Committee Meeting No. 131

Date : 25.11.2021.

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	3 Tesla M.R.I Machine with Turn Key Make: Philips Model : Ingenia Elition X	As per Annexure X	01	15,93,13,931/-	15,93,13,931/-
Total amount in words: Rupees Fifteen Crore Ninety Three Lakhs Thirteen Thousand Nine Hundred Thirty One Only.					
Factory Location: USA / Europe.					

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. 23,89,709/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 47,79,418/-** 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, Government Medical College & Hospital, Chandrapur. : 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

Standard Tender Specification

Machine specifications with required workstations & coils in MRI

Magnetic Resonance Imaging System with State of Art advanced Technology. The latest technology model should be quoted which matches the specifications.

The Model quoted should not be out of Market/Production. Any up gradation/ new features launched prior to the installation of the equipment should be part of the Supply, even if not quoted at the time of submitting the bid.

Please mention the year of launch of quoted model.

Supply and Installation of advanced Whole body 3 Tesla Magnetic Resonance Imaging System:

1) MAGNET:

a) Whole body 3 Tesla Magnetic Resonance Imaging system optimized for higher performance in whole body, cardiac and neurological examinations with short superconducting magnet, Non Castro Phobic, high performance gradients and digital Radio frequency system. The system should have minimum True 32 or 64 channels RF system in one FOV of 50 cm or above. Field stability overtime should be or equal to 0.2 ppm/ Hr.

b) System should be compatible and ready to use for EEG applications.

c) It should have at least 70 cms or more patient bore with flared opening.

d) Smallest foot print of the magnet is preferred with light weight.

e) The magnet should be shielded from the external interferences.

f) It should have facilities of better illumination, ventilation and designed to avoid patient claustrophobia & with built in 2 way intercom for communication with patient.

g) The homogeneity of the magnet should be mentioned in relation to 10, 20, 30, 40 & 50 cm DSV. Automatic shimming in phantom should be less than 0.5 ppm in 40cm DSV.

h) Magnet length should be less than 200 cms.

i) The system should have efficient and adequate Eddy current compensation.

j) Guaranteed Homogeneity of magnet (VRMS Method) should be as follows.

1. At 10 cm DSV: specify.

2. At 20 cm DSV: specify.

3. At 30 cm DSV: specify.

4. At 40 cm DSV: specify.

5. At 50 cm DSV: specify.

k) Please specify up to what FOV gradient linearity is maintained.

l) The FOV (Field of view) in X, Y & Z directions should be: 50 cms or more.

m) The scan range for imaging should be 200 cms or more. Magnet with Higher Scan range will be preferred.

n) Magnet should be shielded from external interferences. Smaller fringe field preferred 5 Gauss and 10 Gauss Line in X, Y, Z, axis specify. Yours Quote value for 5 gauss and 10 gauss line. The 5 Gauss line will have to be marked.

o) Cryogen vessel_ to be of Helium only with appropriate super thermal shielding and refrigeration facility for minimum Helium boil-off, Specify the Helium tank Capacity and boil-off rate. It should have a built in Cryo-cooler.

P) Emergency helium release button should be provided at least in two places [inside MR examination room and console room].

q) Helium refill time should not be < 2 years. Please mention the helium refill time.

r) Noise level inside the examination room should be minimum as possible. Specify db level and noise reduction specification and techniques.

s) Capability to operate the system from the Gantry side control assisted with display Screen on the magnet.

2) SHIM SYSTEM:

a) High performance, highly stable shim system with global and localized automated shimming for high homogeneity magnetic fields for imaging and spectroscopy.

Advanced cardiac evaluation (EF, Calculation, Wall motions analysis) including perfusion analysis, processing of 2D/3D CSI data, with color metabolite mapping, quantification of CSF flow data, vascular analysis package on three clients concurrently. The clients should display cardiac cine image in movie mode with rapid avi creation.
Image Fusion software: Image filtering and image fusion software for co-registering MRI/fMRI. Calculation of Diffusion of Diffusion/Perfusion Mismatch. Overlay of perfusion and diffusion maps on anatomic maps and DTI Software for fusion of MRI and DSA. Advanced spine application package for nerve root analysis. Whole Body image fusion (composing).
Each Client to have at least 19 inch LCD TFT 2MB pixel color monitor, with hard disk of at least 120 GB for at least 100,000 image storage in 256 matrix and 4GB RAM capacity. Total 3 client hardware and software to be provided.
Each of the client should enable printing in laser film camera and color printers.
It should have necessary and adequate hardware and software for sending and receiving the patient data (text + images).
Compulsory Accessories:
1) Injector: Dual head MRI compatible pressure injector with i) Non- Ferrous, automatic syringe size detection. ii) It should be capable of performing single dual phase contrast injections, provides saline flush delivery and allows timed contrast delivery. iii) It should be possible to observe progress of injection and view injection results. 500 Sets of Syringes (2 Syringes+ Connecting Tube) should be provided.
2) Lead Glass: A god quality of glass with maximum visibility and good cosmetic appearance should be provided.
3) Film Printer: One dry chemistry camera with resolution of 500 dpi or more. It should be digital DICOM 3.0 compliant. i) The camera must be able to process up to 100 films/hour (min.) depending on the size. ii) The system must deliver its first film within 80 seconds from request. iii) The system must have contrast resolution of 16 bits/pixel or more. iv) The system must have at least three online film sizes, and should be capable to print on any of the 8 x10, 10 x 12, 11 x 14, 14 x14, 14 x 17 sizes. v) The System must not involve any wet process and must give a dry film in single stage (without any users intervention) functionality. vi) Start up time should be less than 10 minutes. vii) Easy day light loading. viii) The system should be freely configurable by the user, to use any of the above mentioned size. ix) The camera must be DICOM compatible. (attach conformance statement.)
4) Paper Printer: A color laser printer for printing high-resolution color-coded 3D images image and protocols on plane in 1200 dpi resolution and more than 20 ppm.
5) Anaesthesia Equipment (compatible in MRI):
1. Suitable Storage box for all coils.
2. MRI Compatible ECG leads (with 2000 nos Disposable Electrodes for MRI Images gating).
3. MRI Compatible Anaesthesia Machine with integrated Ventilator, 2 vaporizer circle absorber a) Capable of ventilating adult paediatric and neonates.
b) Software for ventilation should support Volume control , Pressure control and pressure support modes.
c) Should have oxygen nitrous oxide and air flow meters d) Isoflurane and sevoflurane vaporizers.
d) All safety alarms.
4. One MRI compatible Multi parameter Vital Signs Patient Monitor in MRI Room and one stave monitor in console room with following modules provision to monitor the following.

a. Heart rate b. ECG.
c. NIBP- Size of cuffs (adult & paediatric neonatal).
d.Tow IBP- Pressure transducer with the MRI compatible stand
e.Oxygen saturation –Pulse oximeter with adult , paediatric probe and neonatal probes sets (with the spare probes). should have plethysmograph perfusion factor E.g. ETCO2 and ETAA (end tidal aesthetic agents).
b. Temperature (adult and paediatric).
6. Non magnetic IV stand.
7. Tow non-magnetic patient transfer trolleys should be provided.
8. Metal detectors three in number, two of which are hand held.
9. Phantoms to be provided for regular QA studies.
10. Complete manuals and other necessary documentation should be provided.
6) RF cabin in MRI: RF Cabin : The system should be supplied with the imported RF cabin with RF room shielding RF Door screen and interiors for the same should be carried out suitably.
7) Childers: Water Chillier for Cold Head I Gradients should be provided.
8) UPS: The UPS system should be provided for complete MRI unit with chiller and emergency lights and for all accessories mentioned in the tender documents with at least 30 minute back up, preferably 150 kVA or more (specify kVA). Genset of adequate wattage to support the ACs and chiller to be provide An emergency door or hatch should be provided in RF cabin.
9) MRI compatible 2 chairs & 2 Trolley:
10) Suitable Storage box for all coils:
Additional Accessories: Patient comfort accessories i.e patient call button, two way communication, music system, head phones, non-magnetic I/V stand, restraint strap, comfort pads knee support and positioning accessories to be supplied. MR compatible central oxygen line. Silent MRI sequences whatever is available at that time should be provided.
a) Compliance of safety Norms – Fire frightening equipment's: The System should have following safety features. The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with Ramp Down time below 3 minutes. The magnet should have quench bands that contain the fringe fields to a specified value in the event of a magnet quench. Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each images. The system shall have manual override of the mother drive for quick removal of the patients from the magnet bore. Temperature sensor (built in) for magnet refrigeration efficiency must be provided. All the standard Fire safety measures should be provided.
b) Other ancillary requirements for functioning of the unit: Two Metal detectors should be provided. 2 Imported trolleys should be included (MR Compatible). 2 MRI compatible patient stretchers should be provided. All other ancillary requirements for functioning of the unit should be provided. One direct Telephone line with instrument and internet facility to contact the company for online repairs and for software up gradations from time to time.
c) Furniture requirement details 4 High Back Executive revolving chairs with leather seat cushions should be provided. 2 Mid Back Executive revolving chairs with leather seat cushions should be provided.

<p>2 Low Back Executive revolving chairs with leather seat cushions should be provided.</p> <p>2 revolving height adjustable stools with soft leather seat cushions should be provided.</p> <p>2 Computer tables should be provided.</p> <p>All tables and chairs provided for console, workstation and viewing stations should be ISI quality inclusive of minimum 4 Executive chairs at main console.</p>
<p>d) PACs, Computers & Printers for Typing reports:</p> <p>The system should be capable to connect to PACS through RIS/HIS at no extra cost. Highest version of DICOM connectivity be provided.</p> <p>2 Desktop computers of reputed make with 2 color printers , having scanner, Xerox and 2 computer tables .with a one terabyte hard disks For patient entry and keeping their data.</p>
<p>e) CCTV:</p> <p>All the rooms (Console Room, Magnet Room ,patient preparation Room, Sister Room RF Cabin, Waiting Hall, Equipment Room ,Seminar Room, Reporting Room, & Radiologist Room) Should be well equipped with CCTV The large central monitor should be provided.</p>
<p>f) Air Conditioning requirements with standby units included:</p> <p>All Rooms should have required Air Conditioners where ever central A/C and Split A/C required in all MRI rooms excluding Magnet room.</p>
<p>g) Dehumidifier:</p> <p>A standard MRI compatible dehumidifier should be provided.</p>
<p>h) AERB & PC PNDT Facilitations should be done by vendor:</p>
<p>i) MRI Security Training:</p> <p>An arrangement for on site training of paramedical staff for at least 1 week should be provided.</p>
<p>j) Ferromagnetic doors in MRI:</p> <p>All the standard MRI compatible with 2 walk through doors should be provided.</p>
<p>k) Miscellaneous:</p>
<p>1) Warranty and CMC:</p> <p>Even during the warranty period, the desired uptime of 95% of 365 days (24 hrs basis) will be ensured. In case the down time exceed the 5% limit, extension of the warranty period will be twice the excess downtime period.</p> <p>Note any Liquid Helium due to quenching or due to any other causes during the warranty period shall be borne by the firm.</p>
<p>2) POST GAURANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):</p> <p>The post-warranty (after 5 years) CMC should be comprehensive and should include helium and cold head (repair and/or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC etc. with 24 hrs. manpower for operations (including all consumable like batteries for UPS, etc.) and maintenance for another 8 years.</p>
<p>3) STANDARD AND CERTIFICAITON: Should be FDA or CE approved.</p>
<p>4) INSTALLATION:</p> <p>A list of installations of the quoted model in Government/Private institution in India to be provided.</p> <p>Satisfactory service back up facility should be available.</p> <p>Please mention the service centre available nearest to the site of installation and total no. of MRI service engineers employed in India.</p>
<p>5) SPARES:</p> <p>Please attach a complete list of spares which would be provided with the equipment.</p> <p>All tender response should include the following without which the tender will be considered invalid.</p>
<p>6) TURN KEY SHOULD INCLUDE:</p>

Constructed walls with roof approximately 2500 square foot space will be provided compulsory rooms are console room, magnet room, preparation room, RF cabin, waiting hall, sister room, technician room, seminar room, reporting room and radiologists room.

Where the main equipment and related accessories are going to install that should be prepared by the company as per requirement.

All the rooms should have tiles upto the ceiling. All the rooms should have central AC and additional split AC except magnet room (2.5 tons into two in all rooms). The maintenance of AC should be provided by the company.

Required furniture which includes tables, drawers, lockers and executive chairs in all rooms.

Furniture should be finalised only after discussion with HOD.

Two plan lux view boxes 4 film and two plan lux view boxes 2 films should be provided.

Waiting hall should have reception table with glass top and lockers to keep the records and films.

One direct telephone line along with internet facility to get services from the company with two years subscription.

Electrification in all rooms as per requirement only after finalisation by HOD. One LED TV 46" along with dish connection in waiting hall with two years subscription.

Two diwan 6 x 3 size along with mattress should be provided.

Bidder should visit the site before quoting.

Training of 2 Technicians & 2 Doctors anywhere in India where same machine is installed for Three Weeks each.

2 weeks on site training by Expert Application Specialist after Complete installation of machine.

1 week on site training by Expert Application Specialist 1 month after first successful completion of training.


3 days on site training by Expert Application Specialist 3 months after Installation of machine (To solve any queries related to scanning or machine related problems).

Trained application specialist should be accessible to contact for machine related queries.

Consignee Details

M/s. Philips India Ltd.		
3 Tesla M.R.I Machine with Turn Key Make: Philips & Model : Ingenia Elition X		
Delivery Period	12 weeks	
PO Ref. No.	No.: 6877 /Haffkine/Procurement Cell/E-2385/ 3 Tesla M.R.I Machine with Turn Key/2022-23. Date: 13/06/2022	
	दि: १३.०६.२०१९ प्रशासकीय मंजूर निधी १३,२०,००,०००/- (श्री. साईबाबा संस्थान विस्वस्त व्यवस्था शिर्डी व जिल्हा खनिज प्रतिष्ठान चंद्रपुर २०१९-२०) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & Hospital, Chandrapur.	01
	Total	01

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता


Dr. Sadanand Bhise
General Manager

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