**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.: 752/Haffkine/Procurement Cell/E-50/ Pin Point
Laparoscopic Fluorescence Imaging System/ 2018-19
Date: 18/12/2018

To,
M/S. STRYKER India Pvt. Ltd.
C-5, Safdarjung Development Area,
Commercial Complex,
New Delhi-110016

Subject: Supply Order for Pin Point Laparoscopic Fluorescence Imaging System.

Ref. : 1. Tender No. E-50 /HBPCL/PC/ Pin Point Laparoscopic Fluorescence Imaging System /2018-19.
2. Sanction of Tender Approval Committee Meeting Dated 16.11.2018

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.)	Total Amount Rs.)
1	Pin Point Laparoscopic Fluorescence Imaging System.	As per Annexure I	1	11000000.00	11000000.00

Total amount in words: Rupees One Crore Ten Lakhs only.

Location of Factory : Novadaq technologies inc., 8329 eastlake drive, unit 101, Burnaby, british Columbia Canada V5A 4W2 Stryker endoscopy, 5900 optical Ct, San Jose, CA, USA 95138

- Forwarding: Forwarding Free on Road Destination. i.e. door delivery basis**
- Delivery Period:** 12 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.
- 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.
- Payment Terms :** 100 % Payment shall be paid on receipt, Complete Installation (acceptance) of Machine in good conditions by the consignee.
- 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. Bar-coding should be on boxes of Supplied item at Consignee level.
- 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.(For Imported Item Only)

10 **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 parts for further 8 years.

The Successful tenderer must ensure 100% uptime during warranty period. In case of downtime, warranty period will be extended for period of downtime. If the equipment is not attended with him 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 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 written down value 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.

- 11 **Contract Agreement:** Bidder should submit tripartite (Manufacture, Importer , HBPCCL) Contract Agreement on non-judicial stamp paper of requisite value.

Fall Clause

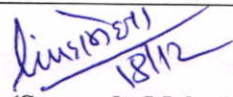
It is a condition of the contract that all through the currency thereof, the price at which you will the supply stores should not exceed the lowest price charged by you to any customer during the currency of the contract and that in the event of the prices going down below the rate contract prices you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

- 12 The Bidder should submit (within 7 days) amount of 1.5% ie.**Rs.165000/-** of order value to meet incidental expenditure and 3% i-e **Rs.330000/-** 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

Consignee: As per list enclosed


(Sampada Mehta)
Managing Director

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

Copy to: 01) Commissioner Health Services, Mumbai.

2) Director of Medical Education & Research.

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

4) Office File.

Copy to: Dean, Government Medical College & Hospital Nagpur. :- 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

Technical Specification Of Pin Point Laparoscopic Fluorescence Imaging System

	Pinpoint Laproscopic Fluorescence imaging 'Endoscopic Fluorescence Imaging System using Near Infrared/ Zenon (NIRF) Imaging Technology'	
1	Features :	
	The Endoscopic Fluorescence Imaging System should provides real-time endoscopic video images during minimally invasive surgery. In addition to conventional visible light imaging, the system utilizes near infrared (NIR) imaging technology to provide visualization of the structure and function of the vasculature, the lymphatic system, and the biliary tree via the fluorescence response to the Indocyanine green (ICG) imaging agent.	
	<u>Components and Accessories of the Device</u>	
	The system should have the following components :	
	A family of surgical endoscopes optimized for VIS/NIR illumination and imaging, including Ø10mm laparoscopes, with 0 and 30 degree viewing angles,	
	A camera, comprised of a CMOS or CCD 1080p HD sensor assembly and a video coupler that mounts on the endoscope eyepiece and is also optimized for VIS/NIR imaging	
	An endoscopic video processor/illuminator capable of providing the VIS/NIR illumination to the surgical endoscope via a flexible light guide, and the image processing required to generate simultaneous real-time HD video color and ICG fluorescence images as an overlay in the same image or PIP in both Images	
	The fluorescence imaging agent and accessory kit .The fluorescence imaging agent and accessory kit is a single-use item. A new one of these is required for each surgical procedure and the accessory kit will be supplied for minimum 100 cases.	
	The imaging system is to be connected to a medical-grade HD 24-26" color video monitor, such as those normally used in surgical endoscopy. It may also be used with suitable medicalgrade video recording or printing devices. Full HD video recording from same parent company Inbuilt Storage of 300 GB or external.	
	<u>Technical Specifications:-</u>	
	Illuminator/Video Processor Specifications: Zenon - Should be for ICG and should be 300 watts color temp 6000kw	
	Light Sources: Spectrum	Visible (VIS) Near infrared (NIR)
	Type	Light emitting diode array NIR laser diode
	Inputs/Outputs	Video output signals HD-SDI, DVI
		HD format 1080i59.94, 1080p59.94
		Picture elements 1920 x 1080 or more
	Service port I/O RS-232 (via D-subminiature 9-pin connector)	
	Operator Controls	Power on/off Back panel switch
		Standby Front panel button
		White balance Front panel button
		White light mode Camera Head
		Video display option Camera Head
	Operating Environment	Operating temperature +10° to +30°C
	Relative humidity	10 to 85%
	Physical Dimensions	W 400 mm H 200 mm D 465 mm or above
	Electrical Power Voltage	220 ±10% VAC
	Power frequency	50 Hz
	<u>Camera Specifications:</u>	
	Feature	Specification
	Optical Image sensors	CMOS/ CCD HD sensor assembly
	HD format	1080p
	Aspect ratio	16:9

Physical Dimensions	Diameter – 47mm; Length – 115 mm or above
Cable length	3 m or more
Environment	Operating temperature +10° to 30°C
	Relative humidity 10 to 85%
	Storage temperature -10° to +55°C
	Sterilization Sterrad NX
	10 mm Endoscope Specification:
	Feature Specification
	Optical Viewing angle 0° and 30°
	Field of view 70° or above
	Resolution HD
	Transmission spectrum VIS + NIR or Zenon
	Physical Outer diameter 10 mm or above
	Working length 423 mm or above
	Total length 450 mm or above
Environment	Operating temperature +10° to 40°C
	Storage temperature -40° to +70°C
	Sterilization Autoclave
<u>C) Light Guide Specification:</u>	
Feature	Specification
Optical	Transmission spectrum Visible + NIR
Physical	Fiber diameter 4.9 mm
	Length 3 m or more
Environment	Operating temperature +10° to 40°C
	Storage temperature -40° to +70°C
	Sterilization Autoclave
Equipment Classification:	
Feature	Specification
Type of protection against electric shock	Class I
Degree of protection against electric shocks	CF-type as per IEC 60601-1
Degree of protection against moisture	Ordinary
Laser class Class 3R as per IEC 60825-1	
Complies with 21CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No.50, dated June 24,2007	
Radio frequency emissions Group 1, Class A as per CISPR11	
Harmonic emissions Class A as per IEC 61000-3-2	
Light guide specifications for Zenon technology	
<u>NIRF Radiation and Source Characteristics :</u>	
Zenon light source should be supplied with fiber optic cable of applicable	
Feature	Specification
Apertures for NIR radiation emission	Endoscope tip& light guide cable tip

	Accessible NIR radiation (at the tip of the endoscope) Wavelength 805 ± 4 nm rate 20 pulses/sec or above Energy output (maximum) 2 mJ/pulse Beam divergence 75° ± 5°	Repetition
	Embedded laser source	Classification Class 4, invisible
1	Consumables Used with Intra Operative Imaging system are as follows:	
	1. ICG (Indocyanine Green): 500 per /year	
	ICG is a sterile, water soluble, tricarbo-cyanine dye with a peak spectral absorption at 800-810nm, in blood plasma or blood. ICG contains not more than 5.0% sodium iodide.	
	ICG Clinical Pharmacology: Following intravenous injection, ICG rapidly bound to plasma proteins, primarily with a lesser and variable to albumin (2-30% of total). Simultaneous arterial and venous blood estimations have shown negligible renal, peripheral, lung or cerebra-spinal uptake of the dye. ICG is taken up from the plasma almost exclusively by the hepatic parenchyma cells and is secreted entirely into the bile. ICG does not undergo significant enterohepatic recirculation.	
	Features:	
	- Fluorescent agent rapidly binds to plasma proteins after IV administration and is illuminated in the region of interest with a near infrared laser and images are recorded by the high speed camera.	
	- Image display begins within seconds of surgeon request and captures sequences up to 60 seconds, repeatable as needed during the procedure.	
	- No ionizing radiation, no safety gear needed, imaging agent metabolized by the liver.	
	- Q image quantification, sophisticated perfusion analysis and visualization software provide clinically relevant information immediately	
	Quality Standard:Quoted equipment should meet European CE or USA FDA approval standards.	
	IMPORTANT INSTRUCTIONS:	
	i). All information in the tender document must be supported by original product data sheets. Computer generated data sheet shall not be accepted.	
	ii). All information asked for must be provided in the compliance statement under the headings given above.	
	iii). Supplier must ensure the availability of 'expertise service' and maintenance in Mumbai. Spare parts and repair for the next 10 years must be ensured.	
	iv). Application Specialist should be available for on-site training	
	9. INSTALLATION:	
	Installation, including networking, shall be free of cost and shall be the responsibility of the supplier. All accessories like cables, ports and spares etc as necessary for complete, smooth and breakdown-free functioning of the entire system shall be the responsibility of the supplier.	

Consignee Details

Consignee List for Pin Point Laparoscopic Fluorescence Imaging System

PO Reference No . 752/Haffkine Procurment Cell /E-50 Date 18/12/2018

Sr. No.	Hospital Names	Qty.
01	Dean, Government Medical College & Hospital Nagpur	01

Sampada Mehta
18/12
(Sampada Mehta)
Managing Director

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