

**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED****Procurement Cell****( A Government of Maharashtra Undertaking)****Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)**

<b>Phone No: 022- 24129320-23</b>	<b>Website : http://www.vaccinehaffkine.com</b>
<b>Managing Director :022-24150628</b>	<b>E-mail: procurementcell@vaccinehaffkine.com</b>
<b>General Manager (Procurement Cell) :022-24100478</b>	<b>No.: 7116 /Haffkine/Procurement Cell/E-3708/</b>
<b>दि: १९.०३.२०२१ प्रशासकीय मंजूर निधी</b>	<b>Advanced 4KFluorescent Imaging System Including</b>
<b>१,२०,००,०००/- (DPDC २०२०-२१) (Qty.- 01)</b>	<b>Recording Editing System with All Accessories for Immuno</b>
	<b>Fluorescence Guided Laparoscopy Surgery/ 2022-23.</b>
	<b>Date: 20-07-22</b>

**To,****M/s. Stryker India Pvt. Ltd.,**10<sup>th</sup> Floor, Vatika Business Park,

Block II, Sohna Road, Sector 49,

Gurugaon, Haryana - 122002.

Contact No.: 9833650078.

**E-Mail: tenders.india@stryker.com**[shashank.singh@stryker.com](mailto:shashank.singh@stryker.com)

**Subject : Supply Order for Tender No. E-3708/Advanced 4KFluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery.**

**Reference: 1. Tender No. E-3708/HBPCL/PC/Advanced 4KFluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery/ 2021-22.**

**2. शासननिर्णय, क्रमांक - गोतेरु-२०२१/प्र.क्र.९५/प्रशा-१**  
**दिनांक : १९ मार्च, २०२१.**

**3. Sanction of Tender Approval Committee Meeting No. 156**  
**Date : 09.06.2022.**

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.

<b>Sr. No.</b>	<b>Name of the item</b>	<b>Specification of item</b>	<b>Quantity/ Unit (DMER)</b>	<b>Unit Rate inclusive of GST(Rs.)</b>	<b>Total Amount Rs.</b>
<b>1</b>	<b>Advanced 4KFluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery</b> <b>Make : Stryker</b> <b>Model : 1688 Camera System</b>	<b>As per Annexure X</b>	<b>01</b>	<b>77,21,200/-</b>	<b>77,21,200/-</b>

**Total amount in words: Rupees Seventy Seven Lakh Twenty One Thousand Two Hundred Only.****Factory Location: Stryker Endoscopy, a division of Stryker Corporation, 5900 Optical Court, San Jose, CA 95138, USA.****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 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. 1,15,818/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 2,31,636/-** 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, Gokuldas Tejpal Hospital, Mumbai.:** 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 Advanced 4K Fluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery

All items should be Medical Grade. It should feature several enhancement, such as brilliant 4K resolution, fluorescence, auto-light technology etc. The complete Optical Chain should be 4K for Optimized Image.

The 4K High Definition Endoscopic Image system will consist of the following items:

- 1) Full 4K video image processor  
**4K 3 chip camera head & coupler**
- 2) Powerful LED light source equivalent to 300W intensity
- 3) 32" 4K – UHD (3840 PIXEL) medical grade monitor
- 4) 4K Ready/compatible Telescopes
- 5) Light Guide Cable
- 6) High Flow 45 plus Insufflator
- 7) Device Control system

#### ALL ITEMS UNDER "A" FROM A SINGLE MANUFACTURER

(A)	
<b>1) Full 4K 3 SMOS Fluorescence ICG Ultra Definition Video Image Processor &amp; Camera head: 1 unit (should have following specifications)</b>	
1.1	A full 4K UHD processor should have native resolution of 3840×2160 pixels.
1.2	It should have Touch LCD panel operation for easy control.
1.3	Control of Special Modes from the camera head: Image overlay feature (white-light image integrated with fluorescence in real time, no toggling necessary. Processes two white light images and inserts infrared in between to achieve an overlay on the white light image.) Processor speed of 120fps. Contrast control
1.4	Should have near Infrared Fluorescent Visualization mode: should displays the image in a grayscale with green overlay. This fluorescence modality provides an enhanced visual assessment of blood flow, tissue perfusion, and biliary ducts when activated.
1.5	Should provide at least 9 or more individual User preset.
1.6	The System setting, Colour Tone, contrast visualization fluorescence, enhancement etc
1.7	Should have compatibility for selecting 4K or Standard HD output signal
1.8	3 Chip Ultra-High Definition CMOS camera technology, with minimum 4 buttons on Camera head with ICG image
1.9	Auto-light maintains consistent light using an algorithm, determining optimal lighting levels, auto adjusts light output accordingly.
1.10	Shutter: 1/60-1/22,478 seconds
1.11	Outputs: 2 nos HDMI/DVI [Signal Format: 3840×2160,1080p]
<b>2) Advanced LED Lightsource: 1 Unit [Patented]</b>	
2.1	Powerful LED Lightsource using three primary color LED lamps (Red, Green & Blue)
2.2	Inbuilt 830nm Laser for trans illumination of laser fiber
2.3	Should automatically corrects poor lighting in posterior compartments and self-adjusts based on anatomy
2.4	Light Source has Technology to ensure the light cable is securely plugged in. There is an illuminated ring around the cable insertion point to indicate cable connection, and

	power status.
2.5	Designed to reduce the risk of OR fires, automatically shuts off the light source if the fibreoptic cable becomes disengaged from the scope.
2.6	Class 1M Laser Product Laser product classified per IEC 60825-1:2014 certification & IEC 60825-1:2014 Provide Patent certificate.
<b>3) 4K 31~32'' Medical Grade Monitor: 1Unit</b>	
3.1	4K Medical grade 32 inch UHD LCD backlit monitor with ultra-high definition resolution of 3840×2160
3.2	Aspect ratio:16:9
3.3	Should have multi-image display format – Rotation Image, Side-by-side, Picture-in-pictures and flip Pattern to rotate the image
3.4	Customized surgeon profiles from monitor to Recording System
3.5	Native Resolution: 4096 (H) × 2160 (V)
3.6	Display colour : 1,073,741,824 colours
3.7	Response Time: 11 ms
3.8	Brightness: 525 cd/m2
3.9	Contrast: 1500:1
3.10	Inputs: 1×DVI; 1×HDMI;1× HDMI 4K; RS-232 (SPI router control); 1× USB
3.11	UL Listed and C.S.A Certified/ BIS
<b>4) TELESCOPES – 1EACH</b>	
4.1a	10mm: 30 degree Laparoscope with fluorescent & near Infrared visualization
4.1b	10mm 45 degree Bariatric telescope
4.2	Aspherical Lens technology for minimized optical distortion
4.3	Improved light transmission & edge brightness compared to standard HD scopes
4.4	Laser welded for increased quality & durability
<b>5) Device Control system / Connected OR Hub: 1 Unit</b>	
5.1	Has the capability to control all connected surgical devices from the sterile field using the camera head, remote control, touch panel, and voice control headset. Control of integrated operating room components such as the video router, room lights, OR lights, and room cameras are also enabled by the system.
5.2	OR Hub allows surgeons to capture, record, stream and print images directly from the 4K Platform. Surgeons can also use the Hub to customize their respective surgeon profiles and desired tower settings to drive efficiency.
5.3	Capture Resolution: UHD 4K 2160p 30fps with 4K recording software
5.4	Should have a complete touch screen interface [GUI Touchscreen]
5.5	Screen size:8'' or more
5.6	Archiving options: Internal 1TB capacity; External(USF, etc); Cloud based storage accessible; CD/DVD with optional optical drive.
5.7	Operating system: Intel I5 Quad Core of higher; Windows 10 IOT 64 bit 8GB DDR3
5.8	Image formats: BMP;JPEG;TIFF'TGA;PNG
5.9	Should have On Screen Display
5.10	Should be DICOM ready
5.11	Voice activation feature: Can navigate- Menu, Device Control, Annotation of images, etc
5.12	Simple CPU/Laptop with UHD Recording software not acceptable
<b>6) FIBER OPTIC LIGHT CABLE -1 PC</b>	
6.1	Transparent Fiberoptic Light Cable 5mm or more ×300Cms or more
6.2	Adaptable to provide Telescope
<b>7) High Flow 45L Insufflator -1 Unit</b>	
7.1	45 Litres per minute flow rate or more
7.2	4 Operating Modalities: Standard; Pediatric; Bariatric; Vessel Harvesting

7.3	Large Touch screen for easy access & control
7.4	Clear visual indications of all parameters: Actual pressure; Actual Flow; Consumption; Warning signs; Audio alert; etc
7.5	Heated Insufflation
7.6	Humidification of Co2 Gas. thereby causes less peritoneal cellular damage. less inflammatory response & less adhesion formation as compared to regular Co2 Insufflator
7.7	Re- usable Patient gas pipe -2nos
<b>8) ENDOSCOPY TROLLEY</b>	
8.1	Compatible Endoscopy Trolley for accommodating above items-from same manufacture
8.2	Secondary monitor stand for mounting second Monitor – LOCAL Make
<b>B) Laparoscopy Hand Instruments set: from third party local</b>	
1	10~11mm Multifunction Trocar Cannula set - 2pcs
2	5~ 5.5mm Multifunction Trocar Cannula set - 6pcs
3	11/5.5mm Reducer -1pc
4	2mm Verses Needle 100 ~150mm – 2pcs
	5mm Forceps should include insert, sheath & handle of PEEK material, should be 360 rotatable & of 400~ 450mm length. [Bariatric use]
5	5mm Take apart design Grasping forceps [Atraumatic] -3pcs
6	5mm Take apart design Grasping forceps [Traumatic] -2pcs
7	5mm Take apart design Maryland Dissector, curved -2pcs
8	5mm Take apart Metzenbaum curved, scissors -2pcs
9	5mm Take apart Bipolar forceps with bipolar cords- 2pcs
10	Monopolar cable - 2pcs
11	10mm Clip applicator Medium large – 1pcs
12	5mm TC Tip Needle Holder Straight & Right jaw design -1 piece each
13	5mm L Hook Electrode – 1pc
14	5mm Spatula Electrode – 1pc
15	5mm Fan retractor – 1pc
16	2.8~3mm Fascia Closure needle- 1pc
17	5mm Suction Irrigation cannula- 1set
18	10mm Claw forceps & Cup Biopsy forceps- 1each

ALL ITEMS SHOULD BE US FDA CERTIFIED & EUROPEAN CE CERTIFIED FROM NOTIFIED BODY OF A SINGLE MANUFACTURER BARRING HAND INSTRUMENTS WHICH CAN BE FROM THIRD PARTY LOCAL WARRANTY FOR 2-YEARS

Consignee Details

<b>M/s. Stryker India Pvt. Ltd.</b>		
<b>Advanced 4KFluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery</b> <b>Make : Stryker &amp; Model : 1688 Camera System</b>		
<b>Delivery Period</b>	12 weeks	
<b>PO Ref. No.</b>	No.: 716 /Haffkine/Procurement Cell/E-3708/ Advanced 4KFluorescent Imaging System Including Recording Editing System with All Accessories for Immuno Fluorescence Guided Laparoscopy Surgery/2022-23. Date: 20-07-22	
	दि: १९.०३.२०२१ प्रशासकीय मंजूर निधी १,२०,००,०००/- (DPDC २०२०-२१) (Qty.- 01)	
<b>Sr. No.</b>	<b>Name &amp; Address of the Consignee</b>	<b>Qty.</b>
1)	Gokuldas Tejpal Hospital, Mumbai.	01
	<b>Total</b>	<b>01</b>

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