

**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

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E-mail: [procurementcell@vaccinehaffkine.com](mailto:procurementcell@vaccinehaffkine.com)

No.: 2566 /Haffkine/Procurement Cell/E-1646/  
Spinal Endoscopy and Arthroscopy set/2019-20

Date: 10/01/2020

To,

M/s. KARL STORZ ENDOSCOPY INDIA PVT LTD

11<sup>th</sup> Floor, Dr. Gopal Das Bhawan,

Barakhamba Road New Delhi – 110001.

E-Mail: [neetu.kakkar@karlstorz.in](mailto:neetu.kakkar@karlstorz.in)

**Subject :** Supply Order for Tender No. E-1646 Spinal Endoscopy and Arthroscopy set

**Reference:** 1. Tender No. E-1646/HBPCL/PC/Spinal Endoscopy and Arthroscopy set/2019-20  
2. Sanction of Tender Approval Committee Meeting Dated 31.12.2019

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	Spinal Endoscopy and Arthroscopy set Model : SPINAL ENDOSCOPY AND ARTHROSCOPY SET	As per Annexure X	01	80,30,000/-	80,30,000/-
Total amount in words: Rupees Eighty Lakh Thirty Thousand only.					
Factory Location: KARL STORZ SE & CO. KG, GERMANY Dr. Karl-Storz-Strasse 34, 78532 Tuttlingen, Germany.					

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis The delivery should be damage free & intact Packaging.
- 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.

- 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 **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.
- 7 **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.
- 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 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 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 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.




- 12 The Bidder should submit (within 7 days) amount of 1.5% ie. **Rs. 1,20,450/-** of order value to meet other incidental expenditure and 3% i-e **Rs. 2,40,900/-** as Security Deposit in form of Bank Guarantee. The 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

मा. व्यवस्थापकीय संचालक यांच्या माध्यमातून दिपणी नुसार



General Manager  
(Procurement)  
HBCL Mumbai

(Dr. Rajesh Deshmukh)

Managing Director

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, Indira Gandhi 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 Order value 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**  
**Specification of Spinal Endoscopy and Arthroscopy set**

	Specification
A	<p><b>HD CAMERA SYSTEM</b></p> <p>Full HD Endoscopy Camera system to be used for all endoscopic Neuro and Spine and Endoscopic assisted' Micro Neuro Surgery. The camera system should come with adapter to be attached with already existing micro scope. And output should be seen on HD monitor in High definition quality</p> <p>The system should be truly Digital HDTV endoscopic video camera. The system should have the maximum Resolution of 1920 X 1080 pixels. Progressive scan and the consistent use of 16: 9 format for Input &amp; output to guarantee genuine HDTV</p> <p>The system should have Special Features:</p> <p>Visibly Improved Imaging CCD sensing chip should optimizes image quality &amp; Digital Source Sampling thus maximizing hi-fidelity image transmission.</p> <p>Optimizes to any size. The system should have Optical Zoom to enhance the quality of image size &amp; cross specially standardization of the camera system, regardless of the telescope used.</p> <p>Plug and Go. The system should automatically optimize all settings. The system should be ready – to –use as soon as it is connected to the camera control unit.</p> <p>Any Head-Any Time. The system should have the facility to use a single camera control unit for all camera heads either Single chip or three chip) thus minimizing preparation &amp; maximize inter specialty standardization.</p> <p>The system should have use port to capture still Images In Full HO resolution as well as Video sequences in SD to a a USB mass storage device</p> <p>Camera system should be compatible with Communication Bus system for remote controlled operation of the various features of the camera along with other equipment.</p> <p><b>Technical Specifications.</b></p> <p>Image sensor. 3XI/3" CCD-Chip</p> <p>Pixels 1920 x 1080</p> <p>AGC; Microprocessor controlled</p> <p>Lens: integrated Zoom Lens</p> <p>Composite signal to BNC</p> <p>Socket (2 x). RGB signal to</p> <p>D – sub socket HDTC signal to</p> <p>DVI.D socket.</p> <p>Input Keyboard input for character generator. 5-pole DIN socket</p> <p>Video output :</p> <p>Control Output/input</p> <p>3.Smm Stereo Jack Plug (AGC1, ACC2)</p> <p>Serial Port at RJ-11</p> <p>USB Port with ICM (2)&lt;)</p> <p>Mains Cord</p> <p>1 BNGIBNC video cable length 180 cm</p> <p>S - Video (YIC) connecting cable length 180cm</p> <p>Special RGB connecting cable length 180 cm</p> <p>1 Connecting cable for controlling peripheral units length 180 em (2)</p> <p>Provides a comfortable way to enhance the depth of field of the camera image. Give full control over the vertical position of the camera image.</p>



	Allows setting of the vertical position of the camera image. With pan and Tilt, the camera view can be adapted to the preference of the surgeon.
B	<b>Digital Monitor: FOR HD CAMERA.</b> <b>Special features:-</b> HDTV Display in original 16: 10 HDTV format 1080p/50 and 10S0pl80 display possible On screen menu for monitor salting (possible in several languages) Liquid crystal display Max Resolution 1920/1200 Pixels
C	<b>XENON LIGHT SOURCE</b> Xenon 300 Xenon light sources 300 watts Lamp type:- Xenon 15V, 300 Watt Color temperature GOOOK <b>Light outlets -1</b> Light intensity adjustment – Continuously adjustable either manually or Automatically by cameras video output, signal. I Certified to :- IEC 601 – 1 & UL 544 CE According to MOO, protection class I/ CF
D	Fiber Optic Light Cable- Thickness 4.8 mm length 300Cms

E Equipment Trolley (Indian Make)

F	<b>Easy Go</b>
	Endoscopic Lumber Discectomy & Root Decompression for all types of Disc Herniation from Central to Far – Lateral disc and for treatment of Lumber stenosis along with Bi – lateral decompression using Unilateral Approach
	<b>Telescope</b>
	Straight Forward Telescope 30", Eyepiece 45° angled, diameter 4 mm, length 12cm, Fiber optic light transmission incorporated
	<b>Telescopic Sheath &amp; Attachments</b>
	Telescope Sheath
	Trocar, diameter 19 mm, working length 74 mm
	Attachment, movable inside the trocar, diameter 19 mm,
	Trocar, diameter 23 mm, working length 76 mm.
	Attachment, movable inside the trocar, diameter 23 mm,
	<b>Dilations Sleeve</b>
	Dilation Sleeve, OD5, 2mm, ID 1.5 mm graduated, length 23cm.
	Dilation Sleeve, OD8.9 mm, ID 5.3 mm, Graduated, length 21 cm.
	Dilation Sleeve, Graduated, inner diameter 9 mm, outer diameter 12.7 mm, length 19 cm.
	Dilation Sleeve, OD14.9mm, ID12.9 Graduated length 17cm
	Dilation Sleeve , OD16.9 mm, ID15.1 mm, graduated, length 15cm
	Dilation Sleeve, OD18.9 mm, ID17.1 mm, graduated, length 14 cm
	Dilation Sleeve, OD20.9 mm, ID 19 mm, graduated, length 13 cm.
	<b>Hand Instruments</b>
	Puncture Needle, including stylet, diameter 1.8 mm, working length 18 cm, with 1.3 mm opening for guide wire
	Guide wire, not sterile, diameter 1.2 mm, length 31 cm, package of 10
	Bone Punch, dismantling, 90° up biting, not through-cutting, 4 mm, working length 24 cm
	Bone Punch, Dismantling 90° up biting, not through-cutting, 2 mm, working length 24 cm
	Bone Punch 40°, up biting forward size 4 mm, working length 24 cm
	Bone Punch 40°, up biting forward size 2 mm, working length 24 cm
	Punch, dismantling, bayonet-shaped, fixed down biting 40° forward, 2 mm working length 17 cm



	Hook Scissors,, single action jaws size 2.7 mm, working length 25 cm	
	Spoon Forceps, dismantling robust, oval, spoon size 3 X 10 mm, single action jaws, working length 20 cm	
	Dissector dead hand, bayonet, shaped, 3mm, curved upwards, with round handle, sharp, working length 16 cm	
	Nerve Hook, distal width 3 mm, bayonet-shaped, working length 16 cm	
	Nerve Retractor, hook length 2 mm, diameter 4 mm, angled sheath, working length 20 cm	
	Bipolar Forceps, rounded tip, width 2 mm, outer diameter 3.4 mm, working length 20 cm,	
	Bipolar High Frequency Cord, Length 300 cm.	
	Plastic Container for Sterilization and Storage of Variable Instrument Sets, perforated, with transparent lid, with silicone mat, two-level storage, ( 1 additional insert), external dimensions (w x d x h): 545 x 260 x 115 mm consisting of: 2x 39360 AP Snap-in Clip, package of 12 2x 39360 AS silicone Tie-Downs, package of 12 39360 AR Tool The plastic containers are suitable for steam, gas hydrogen peroxide sterilization.	
G	<b>Spine – Foraminoscopy</b>	
	<b>Instrumentation Set for Percutaneous Lumbar Interlaminar and Trasforaminal endoscopic Surgery without GA (General Anaesthesia)</b>	
	<b>Telescope</b>	
	Wide Angle Telescope 25 <sup>0</sup> , Oblique view, outer diameter 6.6 mm, working channel diameter 3.6 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated.	
	<b>Hand Instruments</b>	
	Puncture Needle, including stylet, diameter 1.2 mm, working length 25 cm, with 0.8 mm opening for guide wire	
	Guide wire, blunt on both sides, Ø 0.7 mm, working length 41 cm, package of 5 pc.	
	Dilation Sleeve, with two ports, outer diameter 6.5 mm, inner diameter 1.4 mm, length 22 cm color code: red	
	Operating Sheath, distal 45 <sup>0</sup> oblique, integrated irrigation adaptor, outer diameter 7.5 mm, inner diameter 6.8 mm, length 17 cm	
	Punch Sleeve, for use with operating sheaths	
	<b>Bipolar</b>	
	Palpation Hook, with distal ball, bendable to 90 <sup>0</sup> , with irrigation connector for cleaning, diameter 3.5mm, working length 36cm , consisting of Metal Handle, without ratchet, outer sheath with palpation Hook , Working Insert	
	Palpation Hook, distally angled 45 <sup>0</sup> , diameter 2 mm, working length 34 cm	
	Dissector, Ø 2.6 mm, working length 36 cm, distally 45 <sup>0</sup> bended	
	Grasping forceps with 90 <sup>0</sup> opening, single action jaws, Ø 3,5 mm, working length 36 cm	
	Deflectable Punch, Ø 3,5mm, working length 360mm.	
	Deflectable Punch, Ø3,5 mm, working length 360mm.	
	Deflectable Forceps, Ø3,5 working length 360 mm.	
	X-ray Ruler, with special marking for midline and 2 mm- and cm-slots for radiologic measurement, total length 30 cm	
	Angled bipolar probe, Ø 2,5 mm, working length 36 cm consisting of Bipolar probe insert, Sheath for Probe, Bipolar Spring Spring Handle	
	Trephine, with round handle, inner diameter 3.2 mm, outer diameter 4.2 mm working length 22 cm	
	Trephine inner diameter 1.6mm outer diameter 2.7 mm working length 30 cm with edged handle	
	Bipolar High Frequency Cord with 2 x 4 mm banana-plug, length 300 cm.	
	Bipolar High Frequency Cord, Length 300 cm.	
	Plastic Container for Sterilizing and Storage, perforated, with transparent, lid, with inserts for two angled rigid telescopes, external dimensions (w x dx h): 515 x 240 x 84 mm	
	Holding System, autoclavable, with quick release coupling KSLOCK, consisting of: Rotation Socket, to clamp to the OR table for European and US standard rails, with lateral clamp for height and angle adjustment of the articulated stand Articulated Stand, reinforced version, L-shaped, with one central clamp for all five joint function, height 48 cm, swivel range 52 cm, with quick release coupling KSLOCK (female Clamping Jaw, metal, with axial intake, clamping range 4.8 up to 12.5 mm, with quick release coupling KSLOCK (male), for use with instrument and telescope sheaths	
A	<b>Basic Arthroscopy</b>	
	Wide Angle Forward-Oblique Telescope 30 <sup>0</sup> diameter 4 mm, length 18 cm, autoclavable, fiber optic transmission light incorporated, color code: red	1



	Arthroscope Sheath with traditional coupling mechanism, diameter 5.5 mm, working length 12 cm, two stopcocks, rotatable	1
	Obturator, semisharp ,	1
	Probe graduated, length of hook 4 mm, diameter 1.5 mm, working length 12 cm	1
B	<p>Specification of Arthroscopy Shaver High Speed Shaver System with:-</p> <ul style="list-style-type: none"> <li>• Stable Torque through Entire speed range.</li> <li>• High Speed Shaver Hand Piece With Rotational Speed Ranging 7000 rpm or more Oscillation of Shaver within rotation speed from 500 rpm to 3000 rpm .</li> <li>• Choice between hand controls, control via footswitch or control for the console vis LCD Touch Screen</li> <li>• Drill and Saw Hand Piece, Jacob Chuck, Saggital Saw, Pindriver, saw blades compatible with shaver unit</li> <li>• Light Weight Shaver Handle with Switches for Selection with Rotation (Clockwise, Anti Clock Wise and Oscillation)</li> <li>• Control to Increase Or Decrease the Rotation Speed.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Suction control, on the Handle Itself .</li> <li>• Autoclavable</li> <li>• Unit should be supplied with Foot Switch and Shaver Handle</li> </ul>	(Blade & Burr 6 Each)
	<p><b>Specification for Shaver Blades</b></p> <ul style="list-style-type: none"> <li>• Aggressive Cutter 4.2 mm</li> <li>• End Cutter 4.2 mm</li> <li>• Curved Aggressive Full Radius Resistor , Distal Tip Curved 15 deg</li> <li>• Round Burr</li> <li>• Finish Barrel Burr 5.5 mm</li> </ul>	
C	<b>HAND INSTRUMENTS</b>	
	Punch, Through-cutting, cutting width 3.4 mm straight jaws, sheath diameter 3mm, straight, handle with cleaning connector, working length 12 cm	1
	Punch through-cutting, cutting width 3.4mm, curved jaws, 15 <sup>0</sup> upwards, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm	1
	Grasping Forceps, Spoon-shaped jaws, jaw width 3.4 mm straight, handle with cleaning connector, working length 12 cm	1
D	<b>Basic Knee Arthroscopic Instruments</b>	
	Tendon Stripper Graduated, diameter 7 mm, length 30 cm	1
	Open Tendon stripper graduated, diameter 7.5 mm, length 30 cm	1
	Tendon Hook	1
	Target Guide	1
	Channel-Lock, tunnel angle between 40 <sup>0</sup> and 55 <sup>0</sup> , adjustable in 5 <sup>0</sup> increments	1
	Tendon Thickness Tester thickness size 6 – 10.5 mm at intervals of 0.5	1
	Bone Drill cannulated, diameter 4.5 mm	1
	Bone Drill cannulated, diameter 5 mm	1
	Bone Drill cannulated, diameter 5.5 mm	1
	Bone Drill cannulated, diameter 6 mm	1
	Bone Drill cannulated, diameter 6.5 mm	1
	Bone Drill cannulated, diameter 7 mm	1
	Bone Drill cannulated, diameter 7.5 mm	1
	Bone Drill cannulated, diameter 8 mm	1
	Bone Drill cannulated, diameter 8.5 mm	1
	Bone Drill cannulated, diameter 9.5 mm	1
	Bone Drill cannulated, diameter 10mm	1
	Length Gauge for cruciate ligament reconstruction, graduated, working length 23 cm	1
	Thread Hook for cruciate ligament reconstruction, working length 23 cm	1
	Target Guide for PCL reconstruction	1
	Femoral Target Guide for PCL reconstruction, graduated, working length 14.5 cm	1
	Awl for PCL reconstruction, working length 20 cm	1
	Raspatory for PCL reconstruction, working length 13 cm	1
	Elevator for PCL reconstruction, with T-shaped handle	1
	Thread Catcher for PCL reconstruction, with T- Shaped handle	1

### Consignee Details

M/s. KARL STORZ ENDOSCOPY INDIA PVT LTD		
<b>Spinal Endoscopy and Arthroscopy set</b> <b>Model : SPINAL ENDOSCOPY AND ARTHROSCOPY SET</b>		
<b>Delivery Period</b>	12 weeks	
<b>PO Reference No.</b>	No.: 2566 /Haffkine /Procurement Cell / E-1646/Spinal Endoscopy and Arthroscopy set/2019-20 Date: 10/01/2020	
<b>Sr. No.</b>	<b>Name &amp; Address of the Consignee</b>	<b>Qty.</b>
1)	Indira Gandhi Government Medical College & Hospital, Nagpur.	01
<b>Total:</b>		<b>01</b>

मा. व्यवस्थापकीय संचालक यांच्या मान्य दिपणी नुसार

  
General Manager  
(Procurement)  
HBCL Mumbai

(Dr. Rajesh Deshmukh)  
Managing Director  
Haffkine Bio Pharmaceutical Corporation Ltd.  
(Procurement Cell), Mumbai.