

**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@haffkinemumbai.com
General Manager (Procurement Cell) :022-24100478	No.: 5553 /Haffkine/Procurement Cell/E-3339/ Virtual Laparoscope Simulator with Turn Key/ 2021-22.
दि: ३१.०८.२०१९ प्रशासकीय मंजूर निधी १,८८,८०,०००/- (DPDC २०१९-२०) (Qty.- 01)	Date: 27.11.2021

To,
M/s. Biotronics Equipments Pvt. Ltd.,
504, Reena Complex, Ramdev Nagar,
Opp. Nathani Steel, Vidyavihar (W), Mumbai- 400086.
Contact No.: 9870593353.
E-Mail: info@biotronicsindia.com

Subject : Supply Order for Tender No. E-3339/Virtual Laparoscope Simulator with Turn Key.

Reference: 1. Tender No. E-3339/HBPCL/PC/Virtual Laparoscope Simulator with Turn Key /2020-21.

**2. शासननिर्णय, क्रमांक - जीएचएन-२०१९/प्र.क्र.२२२/प्रशा-१
दिनांक : ३१ ऑगस्ट, २०१९.**

3. Sanction of Tender Approval Committee Meeting Dated :- 22.10.2021.

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	Virtual Laparoscope Simulator with Turn Key Make : Surgical Science Sweden Model : LAPSIM	As per Annexure X	01	1,88,80,000/-	1,88,80,000/- 7

Total amount in words: Rupees One Crore Eighty Eight Lakhs Eighty Thousand Only.

Factory Location: M/s. Surgical Science Sweden AB Drakegatan, 7 A, 412 50 Goteborg Sweden.

- 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.

- 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 there of, 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. 2,83,200/-** of order value to meet other incidental expenditure and 3% i-e. **Rs. 5,66,400/-** 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

या. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Bawiskar

Dr. Vijay P. Bawiskar
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, 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 (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 Virtual Laparoscope Simulator with Turn Key

1. Supply and installation of Surgical Simulator on Turnkey Basis with Designing and Building of glass partition Cabins for Simulator, Flooring, audio video system and also salve HD monitor of minimum 56 Inches for observation.
2. The system should be fully computerized and interactive.
The system must be with published validation of physician skills transference from the VR trainer directly to the operating suites, both in gynecology and surgery. The supporting documents must be submitted
3. It must be with real proficiency level settings allowing for competency-based learning, through pre-installed validated courses.
4. The system should be CE certified. The system must offer direct task simulation in addition to full procedure.
5. Foot pedals should be used for virtual electrosurgical coagulation and cutting.
6. The system should consist of motion detection with 5 degrees of freedom; insertion (front/back), pitch (up/down), yaw (left/right), handle twist and opening/closing the handle.
7. The system should offer haptic (force) feedback with 3 degrees of freedom: insertion, pitch, and yaw.
8. The simulator cart should run on wheels for easy immovability.
9. The system should have a designated side touch panel for easy-access exercise management.
10. The system should consist of a 3D screen 27" main monitor with touch functionality.
11. The simulator height should be able to adjust electrically.
12. The system should be able to provide comprehensive training in the field of laparoscopic surgery.
13. The system should allow for a team of surgeon + assistant to handle instruments and camera individually but simultaneously on the same screen.
14. The camera should allow for adjustments of: a. Angled optics b. Zoom c. Light intensity
Camera head with full functionality: zoom, focus, and light intensity.
15. The system should have options of selecting various instruments in each exercise.
16. The system should have virtual energy sources like ultrasonic and diathermy.
17. It should be scientifically proved that training on this specific simulator system has a direct effect on OR performance & documents in the proof should be attached.
18. The system should allow for training on fundamental dexterity (basic skills), such as: a. Camera navigation b. Instrument navigation c. Coordination d. Grasping e. Diagnostic Laparoscopy f. Lifting & Grasping g. Cutting h. Clip Applying i. Suturing j. Precision & Speed k. Handling Intestines l. Fine Dissection m. Seal & Cut n. Peg Transfer o. Pattern Cutting p. Litigating Loop q. Camera management and anatomy orientation Camera Training with anatomical landmarks
19. The system should allow for training on the following procedures: a. Fundamental dexterity (Basic Skills) b. Appendectomy c. Nephrectomy d. Bariatrics e. Suturing & Anastomosis with myoma suturing and side-to-side anastomosis suturing exercises. F. VATS lobectomy g. Cholecystectomy h. Hernia I objective-based interactive cognitive didactic training package on Nissen Fundoplication. (It should have optional Gynaecology and Hysterectomy modules for future upgrades)
20. Instructions including videos should be part of exercise packages.
21. Configuration possibilities of all exercises should be included to be able to adjust difficulty levels and challenges.
22. A preset default library of courses should be included upon delivery.
23. Performance feedback should be available for exercise debriefing and course management: learning curves, errors, suggestions for improvement, and video recording of each session.

24. Pass/fail values for each exercise should be configurable, and should be able to import directly from expert's/instructor's own performance.
25. Extended statistics on trainee/group performance should be available for instructor in admin mode.
26. The admin mode should be able to sort courses per instructor.
27. An on-screen survey function should be available with the system: possibility to tailor questions to the trainees as part of a training session.
28. A certification print-out function should be available: possibility to configure a certificate pdf file including any preferred imported logo, and auto-import trainee names from course management system. It must provided VR Laparoscopic Simulator Certification directly from the system, based on customized instructor or facility-determined standard of proficiency.
29. The system should not be depended on online services, but should be able to run alone (within firewalls).
30. The user should be able to receive direct supported by screen-sharing functionality.
31. System should have team simulation training that can be remotely controlled in real-time, including bleedings and instrument function-Scenario Control. With independent hardware and software modules. Separate PC/Laptop for instructor and team. The system should allow for customizable setup of port positions in at least 9 different positions physically, where the software correlates to physical placement of hardware. The system should consist of motion detection with 5 degrees of freedom: insertion (front/back), pitch (up/down), yaw(left/right), handle twist and opening/closing the handle.

Consignee Details

M/s. Biotronics Equipments Pvt. Ltd.		
Virtual Laparoscope Simulator with Turn Key Make : Surgical Science Sweden & Model : LAPSIM		
Delivery Period	12 weeks	
PO Ref. No.	No.: 5553 /Haffkine/Procurement Cell/E-3339/ Virtual Laparoscope Simulator with Turn Key/2021-22. Date: 27.11.2024	
	दि: ३१.०८.२०१९ प्रशासकीय मंजूर निधी १,८८,८०,०००/- (DPDC २०१९-२०) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & Hospital, Nagpur.	01
	Total	01

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