

**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**प्रशासकीय मान्यता निधी ९५,२०,०००/-
जिल्हा वार्षिक योजना २०१९-२०**No.: 5513 /Haffkine/Procurement Cell/E-2205/Heart Lung Machine/2021-22.****Date: 12/11/21****To,****M/s. SARV HEALTHCARE PYT. LTD.**

Gala No. 99, Kakad Industrial Estate,

Off L. J. Road, Mahim (W)

Mumbai - 400016.

E-Mail: sarv.healthcare@gmail.com**Subject : Supply Order for Tender No. E-2205/Heart Lung Machine.****Reference: 1. Tender No. E-2205/HBPCL/PC/Heart Lung Machine/2019-20.****2. शा. नि. क्र. : एसएचएन-२०१९/प्र.क्र. २१०/प्रशा-१ दि. ३१ ऑगस्ट, २०१९.****3. Sanction of Tender Approval Committee Meeting Dated 22.09.2021.**

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.	Heart Lung Machine Make : Livanova Model : S5	As per Annexure X	01	95,18,880/-	95,18,880/-
Total amount in words: Rupees Ninety Five Lakhs Eighteen Thousand Eight Hundred Eighty Only.					
Factory Location: Sorin Group Deutschland GMBH Linberghstr. 25,80939 Muenchen, Germany.					

- 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 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. 1,42,783.2/-** of order value to meet other incidental expenditure and 3% i-e. **Rs. 2,85,566.4/-** 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

डा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Bawiskar
Dr. Vijay P. Bawiskar
General Manager - 1

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, & Superspeciality 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

Specification of Heart Lung Machine
Description of Function 1.1 Heart Lung Machine is an apparatus through which blood is temporarily diverted, during heart surgery, to oxygenate it and pump it throughout the body, thus maintaining circulation until the heart and lungs are able to return to normal functioning. 1.2 Heater cooler unit is a pump used for maintaining temperature of blood and the patient (Core & Surface) during cardiopulmonary Bypass Procedure.
Operational requirements 2.1 BASIC EQUIPMENT will consist of the following unit:
1) 5-Pump Console 2) Twin pump module with selectable ratio of blood & Cardioplegia from 1:1 to 1:20 3) Console should be compatible to integrate a centrifugal pump module 4) Temperature control Module (Hypo-Hyper thermia unit) (Heater Cooler Unit) with a. Separate heating and cooling lines with pumps for oxygenator and Cardioplegia delivery system. b. Setting for keeping Temperature gradients between blood and water temperature.
5) Monitors: a. Pressure monitor –Arterial and Cardioplegia with transducers b. Time-at least three timers with real time clock c. Temperature Monitor for displaying 4 temperatures. d. Display of total volume of cardioplegia for each infusion and all the infusions along with delivery time and pressure measurement. e. Control panel for temperature regulation of heater cooler unit for remote operations.
6) Air-Oxygen Blender with hoses and Flow meter
7) Safety Device- a. Level Sensor b. Ultrasonic bubble detector c. Pressure sensor with high and low pressure cut off safety system
8) Pulsatile flow mode as a standard feature for both internal and external modes.
Technical Specifications 3.1 A. 5- Pump Console 1. The unit should have 5-pump console compactly arranged with internal power supply and control modules. Should have easy access connectors for interchanging the pump. 2. Each pump should have programmable modes of operation as: Arterial, Arterial pulsatile, Cardioplegia, Slave-1, Slave-2, Sucker, Auxiliary & Free. 3. Each individual roller pump should be capable of running independently on 24volts supply with a transformer in the console. 4. Should have a spill proof base. 5. The unit should be supplied with a Battery backup for all the pumps, all safety systems and accessories for a minimum of 90 minutes. Switch over from main power to battery backup should be automatic and immediate. The battery unit should be built in to the pump base and it should be recharged automatically when the system is operating with min power supply. 6. Individual pumps leads should have Harvey Roller/Horse shoe shaped pumps with facility for tubing to be used adjustable from 3/16", 1/4", 3/8 to 1/2" inches

7. Individual pump heads should have display in digital- The flow rated in LPM and RPM.
8. Each pump should have easy mechanism for occlusion setting for different thickness of tubes available in the market, 1/16" to 3/32".
9. Should have hand crank facility as a critical safety feature in case of electrical or mechanical failure of the pump.
10. The console should have a compact base mount for the entire pump heads together, with pole and handles.
11. Should have variable, changeable tubing holders in each pump head: 3/16", 1/4", 3/8", 1/2".
12. Roller pump should have a self diagnostic circuit with provision to detect and display critical alarm conditions.
13. Pulsatile module as a standard in the pump.
14. Console should be compatible to integrate a centrifugal pump module.

Cardioplegia pump:

1. Twin pump module for Cardioplegia Delivery
2. Selectable ratio of Blood & Cardioplegia from 1:1 to 1:20
3. Should have pressure (High & Low) pressure cut off feature with a specific transducer assigned for pressure monitoring.

Compatibility for addition of Centrifugal Pump:

1. Console should be compatible to integrate a centrifugal pump with internal Power supply option.

MONITORS:

1. PRESSURE MONITOR:

Facility to monitor one Arterial line pressure and one Cardioplegia line pressures & Optional O₂ pressure (total 4); along with necessary pressure transducers (02), with accurate digital display, High & low limit and cut off system and alarm facilities audio and visual.

2. TIME MONITOR:

Facility for 4 time displays-01 for arterial-01 for cross clamp, 01 for Cardioplegia and 01 for real time display. With stop, reset and start function.

3. TEMPERATURE:

4 Temperature displays for patient monitoring and for Cardioplegia monitoring with digital display in Celsius with 2 necessary compatible temperature probes for nasal and rectal use.

4. Cardioplegia Delivery:

Display of total volume of Cardioplegia for each infusion and all the infusion along with delivery time and pressure measurement.

5. Temperature controller for remote use of Heater Cooler Unit:

Control panel for temperature regulation of heater cooler unit for remote operations.

6. AIR-OXYGEN BLENDER:

To work at 50-60 PSI for membrane oxygenator with water trap attached with necessary hoses and connections of minimum of 5 meters length and with triple flow glass meters.

DEVICES:

ULTRASONIC Bubble detector: Ultra sonic bubble detector to detect bubbles to work equally well crystalloid and blood; should be possible to fit anywhere in the circuit easily.

LEVEL SENSOR SYSTEM: Ultrasonic transducers to work well crystalloid and blood with the pads, with alarm settings.

Pressure Sensor system: With high and low pressure cut off safety system to maintain pressure in the CPB circuit.

Consignee Details

M/s. SARV HEALTHCARE PVT. LTD.		
Heart Lung Machine Make : Livanova Model : S5		
Delivery Period	12 weeks	
PO Ref. No.	No.: 5513 /Haffkine/Procurement Cell/E-2205/Heart Lung Machine/2021-22. Date: 17/11/21	
प्रशासकीय मान्यता निधी ९५,२०,०००/- जिल्हा वार्षिक योजना २०१९-२०		
Sr. No.	Name & Address of the Consignee	Oty. (DMER)
1.	Government Medical College, & Superspeciality Hospital, Nagpur.	01
Total :		01

॥ व्यवस्थापकीय संचालक यांच्या नावाने व करिता

Bawiskar

Dr. Vijay P. Bawiskar
General Manager - 1
Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.