**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 ८,२५,००,०००/- राज्य योजना २०२१-२२	No.: 6501 /Haffkine/Procurement Cell/E-4345/ 2D Echo Machine with ultrasound with Pediatric & Neonatal Probe/2021-22. Date: 09.03.22

To,**M/s. Biotronics Equipments Pvt. Ltd.**

504, Reena, Complex, Ramdev Nagar,

Opp. Nathani Steel, Vidyavihar (W),

Mumbai - 400086.

E-Mail: info@biotronicsindia.com**Subject : Supply Order for Tender No. E-4345/2D Echo Machine with ultrasound with Pediatric & Neonatal Probe.****Reference:** 1. Tender No. E-4345/HBPC/PC/ 2D Echo Machine with ultrasound with Pediatric & Neonatal Probe/2021-22.

2. शा.नि.क्र.:यंत्रख-२०२१/प्र.क्र.२०८/प्रशा-१ दि. २० सप्टेंबर, २०२१.

3. Sanction of Tender Approval Committee Meeting No. 142 Dated 11.02.2022.

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.

Sr. No.	Name of the item	Specification of item	Quantity/ Unit (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1.	2D Echo Machine with ultrasound with Pediatric & Neonatal Probe Make: ALPINION MEDICAL SYSTEMS Model : E-CUBE 8	As per Annexure X	33	20,04,800/-	6,61,58,400/-
Total amount in words: Rupees Six Crore Sixty One Lakhs Fifty Eighty Thousand Four Hundred Only.					
Factory Location: Alpinion Medical Systems 77 Heungan-daero 81beon-gil Donga-gu Anyang-si Gyeonggi-do, Korea, 14117					

1. **Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.2. **Delivery Period:** 04 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 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. 9,92,376/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 19,84,752/-** 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


Smt. Sushama Patil.

General Manager (Addl. Charge)

॥ व्यवसायिक संवाक यांच्या माध्यमेने इ कोटिंग
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, As per Consignee List.: 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


Sr. No.	Technical Specifications
1	The units should be latest state of the art, digital colour Doppler with broadband beam forming for cardiac, abdominal, vascular and pediatric application. The models with following (or higher) specifications need to be quoted.
2	The machine should be USFDA and European CE certified and should be latest in technology and launched in 2016 or later. The manufacturing company should be ISO certified.
3	They should have at least 750000 or more digital processing channels for high resolution imaging.
4	Imaging models: 2D, M mode, Colour flow imaging, Pulse Doppler, power Doppler, Continuous wave Doppler and Directional colour flow mapping.
5	The machine should have facility for simultaneous dual/duplex/triplex mode display.
6	Tissue harmonic imaging should be available on all the transducers.
7	The machine should be capable of advanced real time compound imaging.
8	The machine should have facility for real time fetal echocardiography with frame rate increasing technology to capture the fast beating fetal heart.
9	Machine should have integrated gel warmer with temperature level settings.
10	High dynamic range of 250 dB or more.
11	The machine should have 256 gray shades (8 bit) or more.
12	One touch image optimization should be available in 2D mode with one button automatic adjustment of TGC and receiver gain and compression curve based on the range of detectable tissue signals.
13	There should be one button automatic adjustment of Doppler PRF, baseline, dynamic range and gain in Doppler mode.
14	Pulsed wave Doppler should be available on all imaging transducers with adjustable sample volume size, simultaneous or duplex mode of operation, simultaneous 2D, Color Doppler, Pulse wave Doppler, Continuous wave Doppler (CWD), Tissue Doppler Imaging (TDI), high PRF capability in all modes including duplex and triplex and automatic adjustment of scale and baseline. The system should have option to adjust color flow mode of high or low flows in one touch.
15	Machine should support broadband/wideband high density probes spanning with frequency range from 1-20 MHz(+/- 2 MHz). The system should support latest technology single crystal probe or matrix array probe for better resolution and penetration.
16	Automatic Doppler analysis should be available with automatic real time calculation of at-least 6 of following user selectable parameters Peak Systolic velocity, End Diastolic Velocity, Mean Diastolic Velocity, Volume Flow, Time Average Mean Velocity, Time Average Peak velocity, Resistive Index, Pulsatility Index, Systolic,- Diastolic ratio, Acceleration/Deceleration times.
17	The machine should have upto 500000 images storing facility and cine loop review

	facility with memory upto minimum of 25000 frames.
18	The machine should have facility of direct storage and retrieval of B/W and colour images (both frozen and cine loop) in the inbuilt hard disk drive. in built hard disc storage should be equal to or more than 1TB and solid state device in addition with capacity 256 GB.
19	The machine should support four or more transducers with universal ports allowing any transducer to be connected to any port.
20	The machine should have high resolution fully articulating non interlaced flicker free, anti glare LED display of 21 inches medical grade monitor with resolution more than 1920 x 1080 or better. In addition the machine should have 10 inch or more touch control panel for easy access.
21	The system should have image enhancement options like speckle reduction, spatial compounding and filtered tissue harmonics. The system should have adaptive blending colour to maintain the 2D resolution while working in colour mode.
22	The system should be upgradable with advanced comprehensive measurement package including ECG module, stress echo and strain imaging for easy work flow and throughout.
23	Zoom facility (upto 8 times or more magnification) with high resolution results and pan capacity in both realtime and frozen images.
24	The system should have CD-DVD and USB archival (DICOM and PC format). There should be four or more USB codes.
25	<p>Machnie should be offered with following broadband probes.</p> <ul style="list-style-type: none"> i) Adult phased array transducer with frequency ranging 1.0-5.0 MHz (+/- 1.0MHz) ii) Pediatric/Neonatal phased array transducer with frequency ranging 3.0-8.0MHz (+/-1 MHz) iii) Linear transducer with frequency ranging 3.0-12.0 MHz (+/-1.0 MHz) or better, FOV38 mm or better for visual access, small parts, vascular, musculoskeletal, Supraclavicular, Auxiliary, Misculocutaneous imaging. iv) Convex probe frequency 5.0-8.0 MHz (+/-1.0 MHz)

Consignee Details

M/s. Biotronics Equipments Pvt. Ltd.		
2D Echo Machine with ultrasound with Pediatric & Neonatal Probe		
Make: ALPINION MEDICAL SYSTEMS		
Model : E-CUBE 8		
Delivery Period	04 weeks	
PO Ref. No.	No.: 6501 /Haffkine/Procurement Cell/E-4345/2D Echo Machine with ultrasound with Pediatric & Neonatal Probe/2021-22. Date: 09.03.22	
प्रशासकीय मान्यता निधी ८,२५,००,०००/- राज्य योजना २०२१-२२		
Sr. No.	Name & Address of the Consignee	Oty. (DMER)
1.	Sent. George Hospital, Mumbai.	01
2.	Government Medical College and Hospital, Nanded.	01
3.	Government Medical College and Hospital, Solapur.	15
4.	Government Medical College and Hospital, Akola.	01
5.	Government Medical College and Hospital, Aurangabad.	02
6.	Government Medical College and Hospital, Gondia.	01
7.	Government Medical College and Hospital, Jalgaon.	01
8.	Government Medical College and Hospital, Miraj.	01
9.	Government Medical College and Hospital, Nagpur.	01
10.	Government Medical College and Hospital, Baramati.	01
11.	Government Medical College and Hospital, Kolhapur.	01
12.	Government Medical College and Hospital, Dhule	02
13.	Government Medical College and Hospital, Yavatmal.	01
14.	Government Medical College and Hospital, Ambajogai.	01
15.	Government Medical College and Hospital, Latur.	02
16.	B. J. Government Medical College & Hospital Pune & Sasoon Hospital Pune.	01
Total :		33

म. स्वयंसेवकीय संचालन मंडळा मान्यतेने व करिता


Smt. Sushama Patil.
General Manager (Addl. Charge)
Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.