Haffkine

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@haffkinemumbai.com
दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी ६७,२०,०००/- (State plan २०२०-२१) (Qty.- 01)	**No.:**6992 /Haffkine/Procurement Cell/E-2429/ Repeat Order /High End USG Machine with Color Doppler with Elastography with 3D/4D Capability/ 2022-23. **Date:** 12-07-22

To,
M/s. Samsung India Electronics Pvt. Ltd.,
6th Floor, DLF Centre, Sansad Marg,
New Delhi - 110001.
Contact No.: 9824160071.
E-Mail: a.chahal@samsung.com

Subject : Supply Order for Tender No. E-2429/High End USG Machine with Color Doppler with Elastography with 3D/4D Capability.

Reference: 1.Tender No. E-2429/HBPCL/PC/High End USG Machine with Color Doppler with Elastography with 3D/4D Capability/2019-20.
2. शासननिर्णय, क्रमांक - जीएचपी-२०२०/प्र.क्र.३२६/प्रशा-१
दिनांक :२४ फेब्रुवारी, २०२१.
3. No. 5427/Haffkine/Procurement Cell/ E-2429/ High End USG Machine with Color Doppler with Elastography with 3D/4D Capability /2021-22. Date : 02.11.2021
4. Sanction of Tender Approval Committee Meeting Dated :- 16.03.2021

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	**High End USG Machine with Color Doppler with Elastography with 3D/4D Capability with Make : Samsung Medison Model : RS85 Prestige**	**As per Annexure X**	**01**	**62,00,000/-**	**62,00,000/-**
Total amount in words: Rupees Sixty Two Lakhs Only.					
Factory Location: Samsung Medison Building, 42, Teheran-ro 108-gil, Gangnam-gu, Seoul-135 851, Korea.					

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 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. 93,000/-** of order value to meet other incidental expenditure and 3% i-e. **Rs. 1,86,000/-** 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 याच्या सन्मतेने व करिता

12/3/22

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, Government Medical College & Hospital, Baramati.: 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 Specification for High End USG Machine with Color Doppler with Elastography with 3D/4D Capability
1.	The system must be high end and should be state of the art with fully digital technology equipment to incorporate the facility of 2D, M-Mode, CDI, PW Doppler, Power Doppler, directional power angio, contrast Imaging, Strain/Shearwave Elastography imaging, Real time 3-D (4-D), Imaging for abdomen, obstetrics and gynae, cerebrovascular, peripheral vascular, adult trans-cranial and superficial parts imaging like breast, scrotum, thyroid and musculoskeletal. Also should be future upgradable for fusion and navigation application. It should have US FDA and CE marking.
2.	System must be offered with a minimum of >4000000 digital processed channels. Original technical data sheet should be enclosed in technical bid to support the number of channels on the systems. If not mentioned please attach a letter from manufacturer along with the technical bid clearly stating the digital processed channels of the offered system.
3.	System must have convex transducer with high density crystal technology or pureware technology or matrix technology for excellent grayscale image quality on difficult to image patients. Please mention the high density crystal technology or pureware technology or matrix technology being used in the transducer. Original technical data sheet should be enclosed in technical bid to support the technology.
4.	System must be offered with a minimum 21-24 inch high resolution flat panel medical grade display monitor with nearly infinite position adjustment.
5.	System should have at least 4 imaging universal active probe ports with electronic switching facility from key board without probe adapter.
6.	Operating modes B-mode, M-mode, B/M mode, Doppler mode, Colour flow, Power Doppler, DCA/DPA, contrast imaging, B/Colour flow, PW Doppler, CW Doppler, 3D/4D imaging, elastography imaging.
7.	System should support broadband and multi frequency probes spanning a frequency of 1-17 MHz.
8.	System should have dynamic range of minimum 250 Db so that variety of patient sizes can be handles without compromise. Please mention dynamic range in the technical bid with supportive specification sheet.
9.	Cine loop as well as cine scroll facility in B mode with storage of 800 or more images should be available. Cine loop frames should also be available for abdominal contrast applications.
10.	Should have the state of the art transmit real time compound imaging technology with multiple transmitted lines of sight, wherein multiple coplanar images from different viewing angles are obtained and combined into a single compound image at real time frame rates for improved visualization. Should demonstrate and show multiple transmitted line of sight in convex, linear and endocavity probes.
11.	Auto trace and automatic Doppler calculations should be available in live and frozen images.
12.	System must be offered with high definition speckle reduction imaging, which is real time algorithm that increases contrast resolution by reducing speckle noise while maintaining true tissue appearance image processing technique to remove speckles and clutter artifacts. Should demonstrate and show multiple transmitted line of sight in convex, linear and endocavity probes.
13.	System must be offered with an 2D frame rate of at least 2500 frames/second. Acquisition frame rate should be clearly mentioned in the technical quote. If not mentioned please attach a letter from manufacturer along with the technical bid clearly stating the frame rate of the offered system.
14.	System must be offered with user friendly high resolution user interface touch panel which

	is minimum 11-12 inch. User friendliness will be given priority.
15.	The system should have panoramic imaging/sie-scape and extended field of view imaging.
16.	The system should have contrast harmonic imaging and should have optimization settings to detect the contrast agents. Please specific other advanced technologies to perform better contrast harmonic imaging.
17.	The system should be quoted with shear wave elastography for breast imaging accompanied by quantification package software. One touch entry into elastography mode. Elastogram applied as a region of interest box with user control of size and location through entire field of view and measurement of strain rate and total strain rate with graphical display.
18.	The system should be quoted with shear wave elastography for gynaecology imaging accompanied by quantification package software. One touch entry into elastography mode. Elastogram applied as a region of interest box with user control of size and location through entire field of view and measurement of strain rate and total strain rate with graphical display.
19.	The system should be quoted with liver elastography imaging using acoustic push pulses and tracking pulses to assess diffused liver and tissue stiffness. The reading must be both in m/s and kPa.
20.	The system should be quoted with protocol driven workflow for assessing the fetal heart data set and giving views as recommended by ISUOG fetal cardiac screening guidelines.
21.	The system should have spatio-temporal image correlation (STIC) to allow for an easier view of fetal heart valves and wall motion, to aid in detecting anomalies during routine obstetrical exams.
SYSTEM MUST HAVE THE FOLLOWING TRANSDUCERS	
1.	1-5 MHz convex transducer for general imaging, renal, OB/GYN, abdominal imaging with capabilities of CEUS and ARFI or equivalent elastography imaging foe assessing diffused liver and its stiffness. Must have tissue harmonic imaging. Field of view should be 100 degrees. This transducer should have either single crystal technology or pureware or matrix technology for excellent grayscale image quality on difficult to Image patients. Please mention the crystal or matrix technology used in the transducer by attaching technical data sheet of transducer.
	4-11 MHz linear array transducer for vascular, breast, musculoskeletal, small parts, abdominal imaging etc. must have tissue harmonic imaging.
3.	6-18MHzlinear array transducer for vascular, breast, musculoskeletal, small parts, abdominal imaging etc. Must have tissue harmonic imaging. Please mention the elastography technology used in the transducer by attaching technical data sheet of transducer.
4.	4-9 MHz broadband micro convex transducer for endocavity imaging with capabilities of CEUS and strain based elastography imaging. Must have tissue harmonic imaging for excellent grayscale image quality on difficult to Image patients. Please attach technical data sheet of transducer.
	Convex 4D volume probe 2-5 MHz multiplaner rendering should be possible.
	4-9 MHz small footplate pediatric broadband convex probe.

System should be supplied with the following compulsory peripheral devices for efficient functioning:

1.	Good inkjet printer for color printing from DICOM and std printing, One rotating chair, one two ton air conditioner.
2.	2 KVA ONLINE UPS.
3.	Latest premium PC (off-cart workstation) with software for analysing and quantification of 2D and 3D data sets. CD/DVD writer with image management software and colour laser printer. PC should be offered with a flat panel 17 inch display monitor. (hardware essential for OFF-CART Quantification).

4.	The above PC should be offered with the software to work on the below features.
4a	Elastography quantification like strain rate, strain ratio, total strain and graphs.
4b	Review of 3D/4D, colour 3D and STIC data sets.
4c	Tomographic ultrasound imaging quantification to analyse and documentation of dynamic studies easier with a simultaneous view of multiple parallel slices of a volume data set.
4d	Quantification tool automated measurements of intima media thickness in carotids and other superficial vessels.
4e	Protocol driven workflow for assessing the fetal heart data set and giving views as recommended by ISUOG fetal cardiac screening guidelines. Auto NT software to be given.
5	Two air conditioners of two ton each for adequate cooling of the system which increases its efficiency on long term maintenance.
6	The system should be attached with the interdepartmental RIS PACS server for transfer of reports and images to the existing hospital HMIS. This also ensures storage of images for academic training.
TWO YEARS WARRANTY FOLLOWED BY CMC FOR SEVEN YEARS. DURING THE PERIOD THE MACHINE, TWO PROBES PER YEAR OF REPLACEMENT AND MAINTAINENCE OF ACCESSORIES SHOULD BE INCLUDED.	

Consignee Details

M/s. Samsung India Electronics Pvt. Ltd.		
High End USG Machine with Color Doppler with Elastography with 3D/4D Capability Make : Samsung Medison & Model : RS85 Prestige		
Delivery Period	**12 weeks**	
PO Ref. No.	**No.:** 6992 /Haffkine/Procurement Cell/E-2429/ Repeat Order /High End USG Machine with Color Doppler with Elastography with 3D/4D Capability/ 2022-23. **Date:** 12.07.22	
	दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी ६७,२०,०००/- (State plan २०२०-२१) (Qty.- 01)	
Sr. No.	**Name & Address of the Consignee**	**Qty.**
1)	**Government Medical College & Hospital, Baramati.**	**01**
	Total	**01**

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Dr. Sadanand Bhise
General Manager
Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.