

Brihanmumbai Municipal Corporation
B.Y. L. Nair Ch. Hospital & T. N. Medical College: Mumbai
Department of Nephrology
NEPH-563 dt 30.11.2023

EXPRESSION OF INTEREST

Subject: To invite Expression of Interest from vendors to **Supply, Installation, Testing and Commissioning of a Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]** for the Department of Nephrology, BYL Nair Hospital through CSR Fund received through PPF, BYL Nair Hospital from Mazgaon Dock Shipbuilders Limited (MDL)

BYL Nair Hospital is a tertiary care referral hospital with 1623 beds. Department of Nephrology, B.Y.L Nair Ch. Hospital runs 21 bedded Hemodialysis unit at three different places in the hospital, which conducts 38-40 Hemodialysis sessions, round the clock. It also handles 05 bedded IRCU & 05 bedded Transplant unit. Doctors in the department on an average do 180-200 temporary hemodialysis catheter insertions every month. About 35-40 tunneled cuff catheter insertion are done every month. About 16-18 Kidney biopsies are done bedside every month. All these procedures are done under Sonography guidance.

In addition to above procedures daily 3-4 ultrasound are performed to check kidney sizes. Renal transplant patients undergo transplant kidney Doppler in the department to avoid risk of exposure to general population visiting the hospital & thus decreasing the risk of infection.

For procurement of the **Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]** for the Department of Nephrology, it is proposed to invite "Expression of Interest (EOI)" from vendors to supply the same to BYL Nair hospital.

To supply the required **Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]**, vendors should obtain **Application Form** from **Dean Office on 01.12.2023 to 08.12.2023** and submit all required documents on or before **08.12.2023**, up to 1.00pm in the drop box in Dean Office, G building, Ground floor, BYL Nair Hospital. This will be a 2 stage EOI comprising of 2 packets; Packet A - relevant documents related to the technical specifications along with the duly filled Application form AND Packet B - Commercial documents (quotation in the prescribed format). **Packet A will be opened on 11.12.2023 & packet B will be opened on 13.12.2023** in the Dean's Office.

SPECIFICATIONS FOR SONOGRAPHY MACHINE [BASIC UNIT WITH DOPPLER & 02 PROBES (MULTI FREQUENCY LINEAR & CONVEX PROBES)] FOR THE DEPARTMENT OF NEPHROLOGY, BYL NAIR HOSPITAL, MUMBAI.

	TENDER SPECIFICATIONS	CRITICAL REQUIREMENT -(C)
1 General Description		
(A)	The unit should be compact. Specify weight and dimensions	C
(B)	The Basic System weight should not exceed 10 Kg.	C
(C)	Customized trolley / mounting options should be provided for easy transportation / fixed mounting of the system within the hospital.	
(D)	Fast booting of the system is required for point of care applications. Boot up time should not exceed 30seconds. Specify time.	
2	Display: Flat, high resolution LCD (TFT) monitor of about min 10 inches LCD which can be easy disinfected and it should be fluid resistant.	C
3	The System should be suitable for point-of-care following applications: •Critical Care •Vascular Access • Kidney Biopsy	
4	Scanning Formats: Curved Array, Phased Array, Linear Array, TEE.	C
5	Standard Transducers: (to be quoted along with the system)	
(A)	6-13MHz, broadband linear array, with Scanning Depth up to 6cm. Applications: Vascular Access like Internal Jugular vein , Subclavian vein , inferior vena cavae , femoral veins.	C
(B)	2-5MHz, Curved array probe with minimum scanning depth up to 30cms with two reusable auto-clavable Biopsy guides. Applications: ➤ To examine Kidney [including size], Ureter , bladder and their abnormalities like urolithiasis , hydronephrosis etc. ➤ Guiding Kidney biopsy needle under USG guidance ➤ Post Kidney Biopsy scanning to diagnose any collections/ Complications ➤ Post Operative renal scanning, including checking renal vessels immediately after Kidney Transplantation. ➤ Focused Assessment of Sonography in Trauma (FAST) in Emergency & ICU. ➤ USG assisted fluid tapping and Biopsy in Adults.	C
(6)	Transducer Ports: The system should have facility of connecting to minimum of 3 transducers simultaneously while mounted on trolley allowing the user to electronically switch among the desired transducers. All transducers should be broadband and multi-frequency with supple flex cables.	C
(7)	Imaging Modes	
(A)	2D, Color Doppler, Color Power Doppler, Pulse Wave Doppler, Color Power Doppler, CW	C
(B)	Controls for 2D mode: Total gain, depth, dynamic range.	

(8)	Image Optimization Software:	
(A)	Tissue Harmonic Imaging - eliminating complicated manipulation of multiple controls.	
(B)	Speckle Reduction Imaging - reducing speckle noise and other image artifacts while preserving and sharpening tissue information.	
(C)	Multi-beam Imaging - increasing resolution of small structures and enhancing border delineation.	
(D)	Software for biopsy Needle Visualization through one touch button to visualize needles in steep angles without any drop in frame rate.	C
(E)	Auto gain button for auto optimization of the image at one press of the key.	
(9)	Controls for color Doppler: PRF, color gain, position and size of ROI, steering of ROI, color maps and color invert.	
(10)	Controls for pulsed Doppler: variable sample volume size from 1 to 5 mm or more, steer, PRF, baseline, gain, angle correction, spectral invert.	
(11)	DICOM: DICOM should be a standard feature to manage the stored data within the hospital and interface to PACS system for centralized reporting and printing.	
(12)	Image Management: Compatible software to archive the stored images on Personal Computer via USB port or an external memory device such as Flashcard / USB pen drive etc should be provided. This will enable easy reporting and efficient data management.	
(13)	Data Management: Internal non-volatile memory - approximately for at least 20 patients • Export PC/MAC® BMP, JPEG images to a USB device	
(14)	Additional Features	
(A)	Power requirements: The System should be able to operate on 230V, single phase or 440 V three phase, 50Hz electric supply. The necessary protective relaying / circuitry shall be there with the machines. The mains supply voltage variation may be maximum 15% and frequency variation maximum 3%. In-built battery power with minimum 2.5Hrs backup.	C
(15)	Warranty: The system should be supplied with 3 years' onsite warranty.	
(16)	CMC: The bidder should offer Comprehensive Maintenance Contract (including spares) for 5 years after expiry of three years warranty. CMC must include list of all consumables & spare parts necessary, with rate contract fixed. The CMC charges should be inclusive of service tax.	
(17)	Certifications: Systems should be US FDA approved or possess CE, UL, CSA etc. quality certifications. Vendor to attach the respective certificates copies.	C
(18)	Training & Education: It is mandatory for the supplier to provide extensive technical and clinical hands-on training to end users as and when demanded by the department at its own cost. The supplier should depute technically competent personnel to explain and train the surgeons and intensive care physicians on Sono-anatomy of Vascular structures etc during tender evaluation and after supply of the system. Adequate training and education on ICU & Emergency Medicine is very essential for faster implementation of the USG guided procedure and maximum utility of the system as it being relatively a newer technique.	C
(19)	Manufacturer Credentials: The manufacturer should have substantial installations in India and a significant number should be installed in Government hospitals / major hospitals (300 Bedded or more) and teaching institutes. The quoted model should have minimum 10 installations in India.	C

(20)	The company must have its own Service Center in Mumbai City.	
21	Tropicalization <ul style="list-style-type: none"> • Operating room temperature upto 30 degree Celsius • Storage temperature upto 50 degree Celsius 	

Critical Requirement indicates that the items marked C are mandatory. In case any deviations in the Critical items the deviation shall be specified clearly by adding an additional Remarks column. The end-user/ technical experts shall reserve the rights to accept or eliminate products with critical deviations.

General Specifications	
a	Three years comprehensive warranty to be followed by 5 years of CMC. Technical support, required spares and consumables should be assured for two years after initial 3+5 years period is over. Three years warranty & Five years CMC should cover all the spare parts & the rate of which will be unchanged for total 08 years irrespective of whether those are treated as consumables or otherwise.
b	It should be CE certified along with declaration of conformity or valid US FDA approval
c	Demonstration of quoted model is compulsory.
d	Operating and detail service manual should be provided
e	Service training to MEC Engineers and Operational training to user department
f	The license for the software & software update from time to time shall be valid for the 03 years warranty period & 05 years CMC period without any extra charges.
e	Bidder should submit all technical details in the form of technical brochures / leaflets for all the equipment's proposed for supply and mentioned in the technical offer.

General Requirements	
a	Price should include GST charges & if there are any other charges
b	It is mandatory to provide free installation & training for the use of equipment
c	All the above equipments shall be new and manufactured from virgin material.
d	Equipments should be supplied within 30 days from the date of Purchase order.
e	Installation should be done by 28.02.2024 .
f	All the requirements of the supply shall be sourced from the original equipment manufacturer of the model quoted. In case the machine is imported one, no import substitution is permitted neither before the award nor after the award for any part of accessory.

The Installation Report & necessary documents will be submitted to the Donor, The Donor will deposit the payment in Nair Poor Patient fund (PPF) and payment will be made by Nair PPF, after receiving payment from Donor.

If any doubt or any query about above mentioned work, you can contact at the Office -
Telephone No.02223027682/02223027680

SD/-

Dr. Kalpana Mehta
Professor & Head
Department of Nephrology
TN Medical College & BYL
Nair Hospital, Mumbai

SD/-

Dr. Anjali Parande
Head of Department
Medical Social Service dept.
TN Medical College & BYL
Nair Hospital, Mumbai

SD/-

Dy. Dean
TN Medical College & BYL
Nair Hospital
Mumbai 400 008

SD/-

Dean
TN Medical College & BYL
Nair Hospital
Mumbai 400 008

Brihanmumbai Municipal Corporation
Topiwala National Medical College & BYL Nair Hospital
Mumbai 400008

Date:

To,

Dean
PPF
BYL Nair Ch. Hospital
Mumbai-400 008

Subject: Purchase of Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)] for the Department of Nephrology.

I/We _____

Address _____

As per the Expression of Interest advertised by B. Y. L. Nair Hospital, Mumbai regarding the purchase of Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]. We will comply with all the rules and conditions of MCGM regarding the procurement process and are willing to supply the equipment with 3 years of Warranty and 5 years CMC.

Enclosed below are the details of company:

1. Name of the Company:
2. Address & Contact No.
3. GST No.
4. Company PAN No.
5. Name of Equipment:
6. Name of the Manufacturing company:
7. Company Bank Details:
 - a. Bank Name:
 - b. Account No:
 - c. IFSC Code:
 - d. Branch Address:

I/We have carefully gone through the instruction provided in the Application form and the relevant documents to be uploaded in both packet and are ready to participate in this process. Also, terms and conditions mentioned therein & are all acceptable & agreeable to me/us.

Name of the Company:

Authorized Person Name & Contact details:

Full Signature of the tenderer:

with Official Seal

General Instructions:

Documents to be submitted in Packet A:

1. A copy of Expression of Interest with sign and stamp
2. Duly filled application form with sign and stamp
3. Details of the equipment along with accessories without disclosing the rates with sign and stamp on company letterhead (Format enclosed as Annexure I)
4. Authorization letter in case of bidder quoting for the equipment.
5. Technical Brochure of the equipment
6. A copy of CE certificate along with Declaration of Conformity or valid US FDA certificate

Documents to be submitted in Packet B:

1. Quotation in the prescribed format (Enclosed as Annexure II) with sign and stamp on company letterhead.

Please Note:

- 1. The equipment has to be delivered and installed by 28th February 2024**
- 2. The Installation Report & necessary documents will be submitted to the Donor, The Donor will deposit the payment in Nair Poor Patient fund (PPF) and payment will be made by Nair PPF**

Annexure I

Details of the equipment along with accessories
(To be uploaded in packet A)

No.	Description of Item	Make & Model	Qty
1.	Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]along with standard accessories (if applicable)		1 No.
2.	Local supply of accessories (if applicable)		

Terms and Conditions:

1. Validity:
2. Payment Terms: **The Installation Report & necessary documents will be submitted to the Donor. The Donor will deposit the payment in Nair Poor Patient fund (PPF) and payment will be made by Nair PPF**
3. Delivery:
4. Warranty: 3 years
5. CMC- The CMC charges for 5 years (@5% of cost of instrument) to be provided in the above table
6. Installation charges will be beared by the company.
7. Transportation Charges will be beared by the company.
8. Any other charges (If any, please provide details with charges):
9. Training cost will be beared by the company

Full Signature of the tenderer:

with Official Seal

Annexure II

Quotation Format

(To be uploaded in packet B on company letter head along with the rates)

No.	Description of Item	Qty	Rates (INR)
1.	Sonography Machine [basic unit with Doppler & 02 probes (multi frequency linear & convex probes)]along with standard accessories (if applicable) and 3 years warranty	1 No.	
2.	GST (as applicable)		
	Total cost		

No.	Description of Item	Rates (INR)
1.	Cost of CMC after completion of three-year warranty for next 5 years	
2.	GST (as applicable)	
	Total cost	

Terms and Conditions:

1. Validity:
2. Payment Terms: **The Installation Report & necessary documents will be submitted to the Donor. The Donor will deposit the payment in Nair Poor Patient fund (PPF) and payment will be made by Nair PPF.**
3. Delivery:
4. Warranty: 3 years
5. CMC- The CMC charges for 5 years (@5% of cost of instrument) to be provided in the above table
6. Installation charges will be beared by the company.
7. Transportation Charges will be beared by the company.
8. Any other charges (If any, please provide details with charges):
9. Training cost will be beared by the company

**Full Signature of the tenderer:
with Official Seal**