Date: 19.09.24

MAHAVIR CANCER SANSTHAN AND RESEARCH CENTRE, PATNA

TENDER No. – PD/97,98,99 & 100

Quotation are invited from the reputed supplier / manufacturers for Surgical Instruments, Machine, Chemical & Equipments for Various dept. within 10 days from the date of publication of tender. for details, visit hospital's website : www.mahavircancersansthan.com

19/9/24
Director (Admin.)

Please send the quotation for Publication in Hindustan Hindi & Times of India, Patna and New Delhi Edition.

MAHAVIR CANCER SANSTHAN AND RESEARCH CENTER

Tender Ref No.- 97/97 **Date:-** 19/09/24

Quotation are invited from the reputed supplier/ manufactures for the item below. Interested parties may send quotation in sealed envelope by regd. Post, Courier or drop it to the tender box which is kept in Room No.- 3 Ground floor A Block of Mahavir Cancer Sansthan, Phulwari Sharif, Patna. The terms & condition should be mentioned in the quotation addressed to the Director, Mahavir Cancer Sansthan, Phulwari Sharif, Patna – 801505, within 10 days, from the date of issue of this advertisement. The tender Number Should be mentioned on the envelope.

The sansthan reserve the right to cancel the Tender/Quotation at any stage without showing any reason thereof.

Sr. No.	Item Description
1.	Laparoscopic system with video recording facility ICG capability.

19/9/24
Director (Administration)

MAHAVIR CANCER SANSTHAN AND RESEARCH CENTER

Tender Ref No.- PD/98 **Date:-** 19/09/24

Quotation are invited from the reputed supplier/ manufactures for the item below. Interested parties may send quotation in sealed envelope by regd. Post, Courier or drop it to the tender box which is kept in Room No.- 3 Ground floor A Block of Mahavir Cancer Sansthan, Phulwari Sharif, Patna. The terms & condition should be mentioned in the quotation addressed to the Director, Mahavir Cancer Sansthan, Phulwari Sharif, Patna – 801505, within 10 days, from the date of issue of this advertisement. The tender Number Should be mentioned on the envelope.

The sansthan reserve the right to cancel the Tender/Quotation at any stage without showing any reason thereof.

Sr. No.	Items Description
1.	Automated Blood Grouping and cross matching machine
2.	Brush Cytology Cathater 6F
3.	Ringbiliary with lock system 8F
4.	Ringbiliary with lock system 10F
5.	Grossing Station (6*3*3) Stander size
6.	Vortex Mixer (Make: Remi/Neuation/Other)

19/9/24
Director (Administration)

MAHAVIR CANCER SANSTHAN AND RESEARCH CENTER

Tender Ref No.- PD/99 **Date:-** 19/09/24

Quotation are invited from the reputed supplier/ manufactures for the item below. Interested parties may send quotation in sealed envelope by regd. Post, Courier or drop it to the tender box which is kept in Room No.- 3 Ground floor A Block of Mahavir Cancer Sansthan, Phulwari Sharif, Patna. The terms & condition should be mentioned in the quotation addressed to the Director, Mahavir Cancer Sansthan, Phulwari Sharif, Patna – 801505, within 10 days, from the date of issue of this advertisement. The tender Number Should be mentioned on the envelope.

The sansthan reserve the right to cancel the Tender/Quotation at any stage without showing any reason thereof.

Sr. No.	Item Description
1.	GN/DC/MC/Gnatus Dental Chair Overhead D/U S300H
2.	Gnatus Bioqualy 40L Air Comp 1.2 HP
3.	Woodpecker D5-Ultra Sonic Scaler D5 Led

19/9/24
Director (Administration)

MAHAVIR CANCER SANSTHAN AND RESEARCH CENTER

Tender Ref No.- PP/100 **Date:-** 19/09/24

Quotation are invited from the reputed supplier/ manufactures for the item below. Interested parties may send quotation in sealed envelope by regd. Post, Courier or drop it to the tender box which is kept in Room No.- 3 Ground floor A Block of Mahavir Cancer Sansthan, Phulwari Sharif, Patna. The terms & condition should be mentioned in the quotation addressed to the Director, Mahavir Cancer Sansthan, Phulwari Sharif, Patna – 801505, within 10 days, from the date of issue of this advertisement. The tender Number Should be mentioned on the envelope.

The sansthan reserve the right to cancel the Tender/Quotation at any stage without showing any reason thereof.

Sr No.	Item Description
1.	Premium End USG Machine **Highlights** 1. Premium Platform Machine 2. Upgrade to fusion imaging 3. BIRADS Scoring 4. 2D sheaware imaging in convex and linear probe 5. Liver fat quantification

19/9/24
Director (Administration)

Terms & Conditions:

Part -1

Companies are requested to send make and model of High End USG Machine for Radiology work, for which a demo is to arranged within 10 days in MCS or at any other center in Patna.

Part -2

Price quotation will be asked for selected machines only and that is to be sent after demo.

Specification of item no. 11 & 12

TECHNICAL SPECIFICATIONS OF HIGH END COLOR DOPPLER ULTRASOUND SYSTEM

S.NO.	TECHNICAL SPECIFICIATIONS
❖	It should be robust state of art, fully digital high end latest Color Doppler Ultrasound System with S vision or similar architecture capable of precision beam forming ,capable of performing imaging applications in abdominal, obs/gynae, Fetal Heart, musculoskeletal, small parts, Urology, Breast, Pediatric etc. Systems should have Quantitative Shear Wave Ultrasound Elastography, Contrast Imaging facility and advanced beam forming technology. System should have capability of fusion imaging and navigation for interventional procedures using visualisation of MRI/CT data with real time sonography.
❖	System should have broad band beam former capable of processing signals from 1-18 MHz.
❖	System should have latest state of the art Precision Beam forming technology to ensure no Compromise between Temporal and Special resolution
❖	System processing channels must be more than 10,000,000
❖	Frame rates more than 1900 frames/sec preferred.
❖	System with Digital TGC control is preferred.
❖	System with 5 universal probe ports.
❖	System must contain inbuilt gel warmer.
❖	System should incorporate facility for high resolution 2D, M-mode, PW, CW, Color Flow Imaging, Color Power Angio imaging, Power Pulse Inversion Harmonics, Directional Color Power angio imaging modes, Auto IMT, Elastography and Comprehensive 4D Package.
❖	System should be upgradeable to Cardiac Stress, Strain Imaging with Bull's Eye reporting to assess the Cardio Vascular Risk. System should also be compatible with TEE Probe.
❖	System should have Full Spectrum Imaging, Tissue Harmonic Imaging, Spatial Compound Imaging, Pulse Inversion Harmonic Imaging, Trapezoidal Imaging, Quad Imaging, Dual Imaging in Horizontal Split, 2D/C Live Imaging, Automatic PW Doppler Adjustment and Auto 2D Adjustment.
❖	System should have scan depth of 2 to 30 cm or more. Please specify through data sheet.
❖	System should have 256 shades of gray display.
❖	System should have feature to Volume shade imaging for skin tones and shading to improve visualization of 3D/4D with variable light source time.
❖	System should have facility for real time or frozen, pan or point zoom.
❖	System should have cine loop review minimum 12000 frames and Loop Review for 8,192 Lines. Please specify through data sheet.
❖	System should have panoramic extended field of view.
❖	System should have Realistic View technology that displays detailed volume rendering, enabling users to easily identify subtle anatomical structures. Anatomies look realistic when viewed in color.
❖	The Endocavity probe should have viewing angle of more than 200 Degree, to visualize entire Uterus from cervix to fundus.
❖	Should be motorized movement of the control panel (up/Down and side-ways).
❖	System should have Convex Probe and Volume Convex Probe with Single Crystal/Matrix/Purewave Technology.
❖	System should have option to upgrade to fusion Imaging with fast registration time. The registration time should be mentioned in the quote.
❖	System should be upgradable to GPS virtual based needle tracking system with possibility to use general needle of any size.
❖	System must have Contrast Ultrasound with Time Intensity Curves. CEUS should be available with Convex and Linear Probes. ❖ System should allow for non-invasive assessment of the stiffness of tissue/lesions in the breast and liver, by providing an advanced level of diagnostic information. The color-coded elastogram, quantitative measurements (in kPa or m/s), dual or single display option, and user-selectable ROI (position and size) functions are especially useful for the accurate diagnosis of breast and liver diseases.

S.NO.	TECHNICAL SPECIFICIATIONS
	❖ System should provide clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision. ❖ System should have offers a novel alternative to power Doppler for visualizing slow flow of micro vascularized structures. High frame rates and advanced filtering enable MV-Flow ™ to provide a detailed view of blood flow in relation to surrounding tissue or pathology with enhanced spatial resolution. ❖ System should be capable to visualizes interior and exterior structure and provides additional information for detailed anatomic evaluation to diagnose abnormalities
❖	System should have BIRADS based Breast Lesion Analysis tool.
❖	System should have Advanced Image Processing algorithm to analyze between targets and artifacts so as to sharpen target anatomy, reduce the sparkle & artifacts to improve image quality.
❖	System should have Dynamic range 360 db or more.
❖	It should have extensive software and automatic and user programmable calculation package for gray scale, color Doppler, 3D and 4D applications.
❖	System should have Shearwave Imaging with Convex and Linear Probe.
❖	System should have software for Fatty liver quantification.
❖	System should have more than 23" or more Flat panel Monitor (preferably LED)
❖	System should have more than 13" wide LED Touch Screen Control.
❖	System should support single button to customize the workflow of Doctor.
❖	System should have central lock for all four wheels.
❖	System should be able to show hemodynamic color flow (Alpha blending).
❖	System should be DICOM ready.
❖	System should have Shearwave Elastography with Convex and Linear Probe.
❖	System should be capable of doing Fusion Imaging with CT & MRI with registration time of less than 40 minutes. Fusion should have tool to remove respiratory artifact during Fusion.
❖	System should have built in Image Management Software, for off line application when patient has gone after examination, such as Image Manipulation, Multi Planner reformatting, surface & volume rendering etc. It should have hard disk memory of 512 GB or more with built in CD/DVD read write.
❖	The quoted model should be US FDA approved.
❖	Please respond to each specification in the same format and order and support it with Product Data Sheet.
	System should be provided with following transducer:
A	Single Crystal Convex Abdominal probe with frequency range from 1 to 7 MHz. (Single Crystal Probe will be required for higher frame rate and deep penetration, also capable of doing Shearwave Elastography).
B	Single Crystal linear probe of 2-14 Mhz. (Single Crystal Probe will be required for higher frame rate and deep penetration, also capable of doing Shearwave Elastography).
C	Single Crystal Convex Volume (4D) Probe, minimum frequency should be 1 MHz to ensure deep penetration.
D	Endocavity Probe(2D) 2-11 MHZ approx.
E	Linear probe 2-9 Mhz. approx. for Peripheral vascular and small parts application.

Highlights:-

1. Premium Platform Machine
2. upgrade to fusion imaging
3. BIRADS scoring
4. 2D-shearwave imaging in convex and linear probe
5. Liver fat quantification