

**NATIONAL INSTITUTE OF CANCER PREVENTION AND RESEARCH (ICMR)
Plot No. I-7 SECTOR-39 NOIDA – 201301**

NICPR/Store/NISWANI-PROJ./Equip/2017-18

Dated: 21 Aug, 2017

INVITATION TO TENDER
SUPPLY, INSTALLATION & COMMISSIONING OF
MID RANGE COLOUR DOPPLER ULTRASOUND SYSTEM

Dear Sir,

1. The Director National Institute of Cancer Prevention And Research (ICMR), I-7, Sec-39, Noida-201301, invites Sealed Tenders for the Purchase of Mid Range Colour Doppler Ultrasound System **(as per “Schedule of Requirement” enclosed at Annexure-I)**. The bidders may go through the Terms and Conditions carefully. In case any bidder fails to follow any or more of these conditions, the offer shall be summarily rejected. **The Specifications of the Ultrasound System is attached at Annexure-II.**
2. The quantity of Equipments is probable and subject to change without any further notice/reason. Notwithstanding the estimate of probable numbers, The Director National Institute of Cancer Prevention And Research, reserves the right to reject any or all the tenders or cancel the Tender invitation in toto, without assigning any reason.

Two Bids System

3. Technical Bids and Price Bids (as per Schedule of Requirement at Annexure-I) should be made/sealed separately and put together in an Envelope which should be clearly marked as **“Tender for (items)” & “Date of Opening”**. Technical Bid should accompany EMD and Line-wise confirmation of the proposed Specifications on Vendor’s Letter Head. Technical Bids and Price Bids will be accepted only from the Manufacturers of repute, or, their Authorized Indian Representatives, for Supply, Installation & Commissioning.
4. The Tenderer should clearly mention whether they are the Manufacturer or authorized Dealer/agent of the Manufacturers. In the case of dealer/distributor/agent, latest letter of authorization from the Manufacturer should be submitted along with the Technical Bid. The tenderer can also enclose the rates on the letter head of the Manufacturer, if empowered to do so by Manufacturer(s) in writing, in addition to quoting the same in the Price Bid as per Schedule of Requirement at Annexure-I.
5. A copy of Specification, description and available illustrated literature/Catalogue should accompany the Technical Bid.
6. In case of imported Equipment(s) where prices are quoted in foreign currency, F.O.B. and C.I.F. both costs and Ports of Loading & Landing are to be mentioned.

7. **Last Date of Submission** – Last date of Receipt of Sealed Tender Documents at NICPR, Noida is **22-09-2017** by **4:00 P.M.** by Post or by Hand (at NICPR Reception). Tenders by E-mail/Fax will not be accepted. “Late Tenders”, for any reason whatsoever, will not be entertained/ taken into account, without assigning any reason thereof.
8. **Date & Time of Opening** – Technical Bids will be opened by the Purchase Committee on **26-09-2017** at **2.00 P.M.**, at 2nd Floor, Board Room. The Tenderers or their authorized representatives are requested to be present during opening of Technical Bids. Price Bids of only those Tenderers whose Technical Bids are found suitable subsequently by the Technical Screening Committee of NICPR, Noida, will be opened later on. Date and Time of the same will be intimated to the applicable Tenderers in advance by E-mail/or Post, so as to enable them to be present at the Time of opening of their Price Bids.
9. **Acceptance of Offer/Tender** – Price Bids of only technically suitable Offers/Vendors, as mentioned above, will only be opened. For calculation of Lowest (L-1) responsive vendor, the total value quoted for **Free of Cost Delivery at NICPR, Noida** will be taken into consideration, In case of Tie at L – 1 rates, further negotiations may be made, at the discretion of the Director, NICPR, Noida, or Shortest Delivery period may be used to decided the L – 1. Decision of the Director, NICPR, Noida in this regard will be final.
10. Tender must contain the Total value not only in figures but also in words. In case of any Clerical/Typing error, value written in “words” will only be considered for assessing the L-1 Bidder and subsequent process, though the Director NICPR reserves the right not to accept any Tender only on the L-1 (lowest) criteria.
11. Fax/E-mail/Conditional tender will not be accepted.
12. Other Terms & Condition of Supply are attached at Annexure-III.

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- Encl:** (a) Schedule of Requirement at Annexure-I.
(b) Specifications at Annexure-II.
(c) Other Terms and Conditions of Supply at Annexure-III.

SCHEDULE OF REQUIREMENT

1. Name of Purchaser: NICPR, Noida

2. Funds: Project

3. The Vendor: Whether Manufacturer/Auth. Dealer/Distributor/ Retailer etc.
(Attach Authorization Copy duly authenticated by self)

S. No.	Name of Equipment	Qty.	EMD Amount	Rate	Total Value	GST if any	Any Other Taxes/Charges (Please Specify)	Total F.O.R NICPR Cost
1.	MID RANGE COLOUR DOPPLER ULTRASOUND SYSTEM	1	Rs. 30,000/-					

Date:

Place:

Name & Signature of Authorized Signatory

NOTE: -

1. Proposed minimum required Specifications of the above mentioned Equipment is attached at Annexure – II.
2. The Total Payable Cost is to be quoted for **Free of Cost Delivery at NICPR, Noida.**
3. Validity of Quotation is to be at least 120 Days from the Date of Tender opening.
4. Cost of Tender documents and EMD for Equipment quoted for are to be attached with the Technical Bid, as per Para 8 of Annexure-III enclosed.
5. Price Bid is to be made on the Vendor's Letter Head, duly stamped and signed, as per above format.
6. In case of imported equipment, **Port of Loading** is to be clearly mentioned for F.O.B. dispatches.

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MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENTS

Technical Specifications for Mid Range Colour Doppler Ultrasound System

The equipment must be capable of operating in B, M, Doppler, Color flow and Power Doppler modes. It must support transducers with linear, and convex formats. Further, it must include a full array of measurement and calculation packages. The specific minimum requirements for this equipment are as follows.

1. User Interface & Ergonomics

- 1.1. The premium system must be physically small – height no more than 1500mm, width no more than 600mm, and a depth no more than 850mm.
- 1.2. The system shall support backlight keys or provide an integrated light for ease of use in darkened work areas.
- 1.3. The system shall include at least a 15”LCD monitor with 1280x1024 resolution
- 1.4. The monitor shall tilt +20°/-90° and rotate +/- 90° independent of console .
- 1.5. The system shall have at least two active probe ports in a convenient, easy to access location.

2. Productivity

- 2.1. System shall have image management features that store images by patient and include the ability to review images from different exam dates.
- 2.2. System shall support the ability to store digital raw data that allows to optimize imaging parameters such as B Gain, TGC, Dynamic Range, Speckle Reduction levels, Doppler Gain.
- 2.3. The system shall display thumbnails on a clipboard while scanning to facilitate exams.

3. Workflow

- 3.1. The system should automatically invoke the correct mode and imaging parameter and advance to the next step within the examination with a one-bottom operation to streamline workflow.
- 3.2. The system shall have built in protocols for applications such as abdominal, vascular and urology and OB/GYN, but should allow flexibility so that operator or department specific protocols can be set up.
- 3.3. In particular automation should include
 - Automatic set up of imaging controls and modes
 - Automatic steering in Color and Pulsed Wave Doppler
 - Initiation auto-completion of required measurements
 - Intuitive advancement to the next step in an exam
 - Automatic preset selection by transducer, user and exam type
 - Automatic Program selection based on the DICOM Worklist Exam Description

3.4. The system shall incorporate enough flexibility so that the program can easily be paused and resumed

4. Raw Data Processing.

4.1. The system shall allow for post-storage image manipulation to provide maximum image flexibility, review and productivity. It shall include, at a minimum the ability to change the:

- Overall B-Mode gain.

4.2. The system shall provide a display zoom function on frozen images.

5. Scanning Parameters

5.1. The system shall include a digital beam former with the ability to transmit, receive and process acoustic data, transducer elements with a single acoustic firing sequence.

5.2. The system shall possess the ability to control speckle through the use of a speckle reduction algorithm that enhances borders, reduces speckle artifact and improves detail and contrast resolution.

5.3. The system shall provide the ability to scan in the compound imaging mode with up to 9 lines on all linear and convex probes.

5.4. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 24 cm.

5.5. The system shall be capable of operating in the following modes: B-Mode, M-Mode, Doppler, Color flow(CF), and Power Doppler Imaging. The following mixed modes shall be available:

- B/M, B/Doppler
- B/CF
- B/Power Doppler
- B/Doppler/CF
- B/Doppler/Power Doppler
- B/CF/M-mode.

6. B-Mode/ M-Mode Imaging

6.1. The system shall provide the capability for coded tissue harmonic imaging on all offered transducers.

6.2. The system shall provide user selectable levels of frame averaging or persistence for noise reduction.

6.3. The system shall provide user control over the displayed dynamic range.

6.4. The system shall provide selectable levels of edge enhancement.

6.5. The system shall provide the user with user-selectable gray scale maps and the ability to program and save user programmable maps.

7. Color flow/Power Doppler

- 7.1. Color flow/Power Doppler shall be available for all probes.
- 7.2. The system shall provide a user controlled mechanism to easily control the size and position of the color flow/power Doppler Region of Interest (ROI) including independent control of its height and width.
- 7.3. The system shall support a large range of velocity scales that can be easily adjusted by the user.
- 7.4. The system shall support selectable wall filters.
- 7.5. The system shall provide selectable levels of frame averaging or persistence for color flow and power Doppler.
- 7.6. The system shall provide a variety of user selectable display maps including, as a minimum, transparent and opaque maps, power maps, variance maps, and topographic maps.
- 7.7. The system shall provide the user with a frame rate/resolution control (line density) that varies the acoustic beam density.
- 7.8. The system shall provide a user selectable control to vary the color flow/power Doppler frequency.
- 7.9. The system shall provide a real-time triplex mode (B + PW/CFM/PW).

8. Spectral Doppler (PW)

- 8.1. Doppler mode shall be available on all probes.
- 8.2. The Doppler cursor shall be user-steerable with linear transducers.
- 8.3. The system shall provide the user with control to either have Doppler with real time B-Mode, Doppler with periodic B-Mode update or Doppler with frozen B-Mode scanning.
- 8.4. The system shall provide stereo audio of the Doppler spectral signal.
- 8.5. The system shall provide the user with control during timeline replay to review the spectrum only (i.e., frozen B-Mode) or with the spectrum and B-Mode together and synchronized.
- 8.6. The system shall provide the user with the ability to add a spectral peak and spectral mean trace onto the spectrum in both real time or after freezing the image.

9. Measurements and Calculations

- 9.1. Measurements should be possible on frozen images as well as on images recalled from the image archive.
- 9.2. The system shall provide a comprehensive set of obstetrical and gynecologic calculations and vascular calculations with summary reports.

10. Image Archive and Networking

- 10.1. External DVD-R can be provided.
- 10.2. The system shall include at least 150 GB bytes of dedicated hard drive for large local storage capacity .
- 10.3. The system shall include 348 Mbytes of memory for CINE storage.
- 10.4. The system shall provide the ability to sort images stored on board based on either patient name or exam date.
- 10.5. The device should store images in DICOM, JPG, WMV and AVI formats for maximum flexibility.

11. DICOM Connectivity

- 11.1. The system shall support an option for DICOM connectivity.
- 11.2. The ability to retrieve DICOM Images from other Imaging Modalities than Ultrasound Transducers with biopsy guides
 - Convex, Operating Frequency: 2-5MHz
 - A linear probe: 5-12MHz

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PLOT NO. I-7, SECTOR-39, NOIDA – 201301**

OTHER TERMS AND CONDITIONS OF SUPPLY

1. Tender should be preferably, typewritten and every correction in the tender should invariably be signed by the Tenderer, failing which, the tender is liable to be rejected.
2. The Tenderer should ensure that the equipment(s) offered fully meet(s) the Specifications laid down by the Institute. If at any stage (even after placement of order/shipment/installation, etc.) it is noted that the equipment offered does not meet the specifications, The Director, NICPR reserves the right to take any decision including cancellation of the Tender/offer/Purchase Order etc. with forfeiture of EMD/SD/PBG as the case may be. Any dispute in this regard concerning any Terms and Conditions of the Tender and/or the supply of equipment, will be subject to Noida Jurisdiction only.
3. Tender for only one model as per our specifications should be quoted. No optional model should be included in the tender.
4. No Tenderer shall be allowed at any time on any ground whatsoever, to revise or modify the rates quoted by him. The Tenderer will not be allowed to withdraw the offer quoted. In the event of withdrawal, the EMD tendered shall be forfeited.
5. Increased statutory levies and duties, over and above the rates quoted in the Tender, will be borne by the Tenderer for supplies after the originally permitted Date of Supply in the Purchase Order. The Institute shall not extend validity period for this reason and it will not bind the Institute for supplies beyond the date specified in the Purchase Order.
6. For imported goods the Tenderer should clearly mention the agency commission separately, failing which tender will be rejected. The agency commission will be paid in Indian Rupees in India after satisfactory Installation and Commissioning of the equipment.
7. **Inspection and Acceptance of Equipment** – Acceptance process of the Equipment supplied will be considered complete only after successful Installation and Commissioning of the Equipment at NICPR, Noida, duly Certified as such by the User and Countersigned by the Director NICPR, Noida.
8. **EMD:** EMD, as indicated in the Schedule of Requirement at Annexure – I, in the form of a Crossed Bank Drafts in favor of “**The Director, NICPR, payable at Noida**” Are to accompany Technical Bid. The Tender without the EMD will be rejected summarily. No interest is payable on EMD which should be valid for at least 90 Days. EMD of un-successful Bidders will be released on finalization of Purchase Order.
9. **Payment** – 100% Payment for the Equipment(s) will be made after Acceptance of the Equipments as per Para 7 above, on submission of the Invoice, Acceptance Certificate (Para-7 above) and PBG as per para 16 below.

10. **The firms should clearly indicate the pre-installation requirements for the equipment in their tender/quotation.** If the firm ignores this clause, the items required at the time of installation for the equipment and associated delay will be borne by the vendor at its own cost.
11. Supplier should give an undertaking that spare parts will be supplied as and when ordered for a period of ten years from the date of Installation.
12. If the tenderer fails to execute the Purchase Order within the specified delivery date or, as mutually agreed to in writing, the Order will be cancelled and SD will be forfeited.
13. The Instrument and Software should be installed and tested as per the specifications free of charge, including Training of two operators of the Institute staff at NICPR and subsequent up-gradation of software for the equipment.
14. Manufacture's test Certificate along with conditions and results is to be supplied along with the equipment.
15. **Warranty** - All the items of equipment should be warranted for as mentioned in the specifications at Annexure-II. The warranty period will start from the date of successful Installation & Commissioning and Acceptance of the equipment. AMC charges for the subsequent Two Years should be clearly indicated in Price Bid.
16. **PBG** The successful vendor will need to submit a Performance Bank Guarantee (PBG) for 5.0% of the total P.O. value, valid for a period of one month, beyond warranty period. In case of any warranty enforcement, the period of Warranty will get suitably extended for the affected period of Warranty repairs/replacements if it takes 15 days or more after intimation about the same in writing. PBG will be released after successful completion of warranty period.
17. All damaged or unapproved goods shall be removed by the vendor at its own cost and risk. Any incidental expenses incurred by the Institute thereon shall be recovered from the vendor. Defective parts in the equipment, if found, before installation and during the warranty period, shall be replaced within 30 days of date of intimation from the NICPR, at the cost and risk of supplier, including customs duty, etc.
18. **Liquidated Damages (LD)** – LD @ 0.5% of the Total Purchase order Value, per week will be levied on the vendor for delay in Supplies, Installation & Commissioning of Equipment at Noida, subject to maximum LD of 2.5%, beyond which the Purchase Order may be cancelled in Toto without any financial liability on the Part of NICPR, Noida. The LD so levied will be recovered from the Final Bill/Proforma Invoice of the vendor. For calculation of the LD, any fraction of the week (i.e. less than Seven Days) will be considered as a week. However, Director, NICPR, Noida reserves the right to waive-off full or a part of the LD so levied, on application by the vendor giving full reasons for delay, and acceptance of such reasons for delay by the Director, NICPR, Noida.
19. **All the pages of these Terms & Conditions are to be duly signed by the Vendor and returned/attached** with the Technical Bid, failing which the Tender will be summarily rejected.

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