

Tender
For
USG Machine with Doppler for the Department of
Obstetrics and Gynaecology
At
All India Institute of Medical Sciences, Jodhpur

NIT Issue Date	: 21st August, 2019
NIT No.	: Admn/Tender/40/2019-AIIMS.JDH
Pre-Bid Meeting	: 02nd September, 2019 at 03:15 PM
Last Date of Submission	: 30th September, 2019 at 03:00 PM
Bid opening	: 01st October, 2019 at 03:15 P.M

Tender documents may be downloaded from institute's web site www.aiimsjodhpur.edu.in (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app>



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All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute established by an Act of Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites **Online bids in two bid system** for tenders for supply & installation of the USG Machine with Doppler at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

Chapter-I

S.No	Item Description	Qty	EMD (Rs.)
1	USG Machine with Doppler	01	1,40,000/-

Instructions:

- Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.**
- The complete bidding process in online. Bidders should be possession of valid digital Signature Certificate (DSC) of class II or III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at 0291-2740741.
- Tenderer/Contractor/Bidders are advised to follow the instructions provided in the ‘Instructions to the Contractors/Tenderer/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>’.**
- Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- EMD Payment:**

The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 1,40,000/- (Rupees One Lakhs Forty Thousand Only)** by way of demand drafts or Bank Guarantee only. The demand drafts or Bank Guarantee shall be drawn in favour of “**All India Institute of Medical Sciences, Jodhpur**” payable at Jodhpur. The EMD of the successful bidder shall be returned after the successful submission of Bank Guarantee/ Security Deposit and for unsuccessful bidder(s) it would be returned after award of the contract. **The demand drafts or Bank Guarantee for EMD must deliver to AIIMS, Jodhpur on or before last date/time of Bid Submission.**

 - Tenderer shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the tenderer fails to observe and comply with stipulation made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited.
 - The Firm who are registered with National Small Industries Corporation (NSIC) / OR Small Scale Industries (SSI) are exempted to submit the EMD (Copy of registration must be provide along with technical bid)
 - The EMD, in case of unsuccessful Bidders shall be retained by AIIMS, Jodhpur till the finalization of the tender. No interest will be payable by AIIMS, Jodhpur on the EMD.
- Submission of Tender:**

The tender shall be submitted online in two part, viz., technical bid and financial bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

i) Technical Bid

The following documents are to be furnished by the Contractor along with **Technical Bid** as per the tender document:

- i) Signed and scanned copy of appropriate value of valid registration certificate (if any), experience certificate as per the tender notice, PAN, GST registration certificate and Tender Acceptance Letter.
- ii) Signed and Scanned Copy of Make and model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.

ii) Financial Bid –

Bidder must submit financial bid in .xls (Excel workbook 97-2003 workbook) only.

Terms & Conditions:

1. **Validity:** The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.
2. **"PRE –BID Meeting" with the intending bidders shall be held on 02nd September, 2019 from 03:15 PM. onwards at AIIMS, Jodhpur.** All the prospective bidders are requested to send comments/ representations on or before pre-bid meeting. Intending bidder will be allowed to seek clarification on specification, Conditions of Contract, etc. in writing to AIIMS, Jodhpur, within 48 hours after the pre-bid meeting.
3. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.
4. **Purchase Preference to Local Suppliers**
In pursuance of Government of India Order No. P-45021/2/2017-B.E.-II dated 15th June 2017 and F.No. Z.28018/67/2017-EPW dated 12th June 2018 purchase preference shall be given to local suppliers in all procurements undertaken in the manner specified hereunder and the procurement shall be made as per terms and conditions contained in the said order.
5. **Minimum local content:** The minimum local content shall ordinarily be 35% as per Government of India Order No. P-45021/2/2017-B.E.-II dated 15/06/2017 and F.No. Z.28018/67/2017-EPW dated 12/06/2018, till the Nodal Ministry prescribes a higher or lower percentage. (Annexure-III).
6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20%. The Local supplier whose quoted price falls in the margin of purchase preference desirous of claiming benefit of the Order No. P-45021/2/2017-B.E.-II dated 15/06/2017 shall submit an undertaking within 7 days of opening of financial bid, that he would be ready to supply the product at L1 price. In case of non-receipt of the same, he would not be given purchase preference.
7. The bidders are required to submit the following annexure in compliance of public procumbent (Preference to Make in India) order, 2017:
 - i) Affidavit of self-certification regarding local content (to be provided on Rs. 100/- stamp paper).
8. **All other terms & conditions will be as per the Department of Industrial Policy and Promotion (DIPP) order No. P-45021/2/2017-B.E.-II dated 15th June 2017.**

9. Delivery and Installation:

i) For goods supplied from India:

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **60 days** from the date of issue of supply order.

ii) For goods imported directly from abroad:

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **90 days** from the date of opening of Letter of Credit for shipment.

All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 0.5% per week or a part thereof of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at AIIMS Jodhpur. The goods should be manufactured after adoption of latest technology.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely supply of the goods and performance of services, the supplier shall promptly inform the AIIMS, Jodhpur for extension of the delivery schedule accordingly. On receiving the supplier's communication, AIIMS, Jodhpur shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

8. Signing the Contract: - The successful bidder shall be required to execute the Contract Agreement accepting all terms and conditions stipulated herein on a non-judicial stamp paper of Rs. 500/- (Rs. Five Hundred only) along with performance security within fifteen days of the issue of the Letter of notification of award. In the event of failure on the part of the successful bidder to sign the Contract within the period stipulated above, the EMD shall be forfeited and the acceptance of BID shall be considered as cancelled.

9. Performance Security: As a guarantee towards due performance and compliance of the contract work, the successful bidder (contractor) will deposit an amount equal to 10% of order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation, including CMC period towards security deposit by way of demand draft/ bank Guarantee in favour of "All India Institute of Medical Sciences, Jodhpur" payable at Jodhpur drawn on any Nationalized Bank/Scheduled Bank and payable at Jodhpur within fifteen days of the issue of the Letter of notification of award along with non-judicial stamp paper of Rs. 500/- (Contract agreement).

10. Incidental Services: The supplier shall be required to perform the following services:-

- a. Installation & Commissioning, Supervision and Demonstration of the goods.
- b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
- c. On Site Training to Doctors/ Technicians/ Staff is to be provided by Supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine, as per direction of user department.
- d. Supplying required number of operation & maintenance manual for the goods.
- e. To provide non-locked open software and standard interface inter-operability conditions for networked equipment's in hospital management information system, wherever applicable.

11. **Accessories & Consumables:** The separate price list of all accessories and consumables, if any, must be attached/ enclosed along with the Financial Bid.
12. **After Sales Service:** After sales service centre should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.
13. **Inspection:**
 - a. AIIMS, Jodhpur shall have the right to inspect and/or to test the goods to confirm their conformity to the NIT Specifications at no extra cost to the Purchaser.
 - b. AIIMS, Jodhpur right to inspect, test and, where necessary, reject the Goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by AIIMS, Jodhpur prior to the goods shipment.
 - c. The Director, AIIMS Jodhpur shall be the final authority to reject full or any part of the supply which is not confirming to the specification and other terms and conditions.
 - d. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.
14. **Documents:**
 - a. **All pages of the Tender should be numbered and indexed.**
 - b. The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully confirm to the goods and services specified by the purchaser in the tender documents. For this purpose, the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender duly indicating relevant page numbers in the product literature.
 - c. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last one year.
15. **Manufacturer Authorisation:** The bidder (if not original equipment manufacturer must submit Original Equipment Manufacturer authorization certificate that the tenderer is authorized for selling and maintain the equipment quoted for. Performa attached at **Annexure- IV**.
16. The bidders are required to submit user certificate for the relevant equipment on the letter head of the institution (Government/ Private).
17. The successful bidder will be required to submit order copies of the supply of the equipment in Government institutions in last 12 months for rate reasonability purpose.
18. **Insurance:** - The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. If the equipment's is not commissioned and handed over to AIIMS, Jodhpur within specified period, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the AIIMS, Jodhpur.
19. **Tender Currencies:**
 - a. The bidder supplying indigenous goods or already imported goods shall quote only in Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in Indian Rupees.
 - b. For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if

any, required with the goods, the same shall be quoted in Indian Rupees only, if such services are to be performed /undertaken in India.

c. Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

20. Tender Prices: While filling up the columns of the Financial Bid, the following aspects should be noted for compliance:

For domestic goods or goods of foreign origin located within India, the prices in the corresponding Financial Bid shall be entered separately in the following manner:

- a. The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like GST, Custom Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.;
- b. Any GST or other taxes, which will be payable on the goods in India if the contract is awarded;
- c. Charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Financial Bid;
- d. The price of Incidental Services, as mentioned in List of Requirements and Financial Bid;
- e. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- f. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

For goods offered from abroad, the prices in the corresponding Financial Bid shall be entered separately in the following manner:

- a. The price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Financial Bid;
- b. The price of goods quoted CIF port of entry in India as indicated in the List of Requirements and Financial Bid;
- c. The price of goods quoted for delivery at AIIMS, Jodhpur as indicated in the List of Requirements, Financial Bid and Consignee List;
- d. Wherever applicable, the amount of custom duty with CDEC applicable on CIF value on the goods to be imported;
- e. The charges for Loading/Unloading, Inland transportation, Insurance and other local costs, Incidental cost to delivery of the goods from the port of entry in India to AIIMS, Jodhpur, as specified in the List of Requirements and Financial Bid;
- f. The charges for Incidental Services, as in the List of Requirements and Financial Bid;
- g. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- h. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

Additional information and instruction on Duties and Taxes:

The prices quoted are to be inclusive of GST/ taxes. However, any change in GST upward/downward as a result of any statutory variation in GST taking place within contract terms shall be allowed to the extent of actual quantum of GST. In case of downward revision in GST, the actual quantum of reduction of GST shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

Customs Duty: In respect of imported goods offered from abroad, the bidder shall specify the rate as well as the total amount of customs duty payable. The bidder shall also indicate the corresponding Indian Customs Tariff Number/ HSN code applicable for the goods.

- a. For transportation of imported goods offered from abroad, relevant instructions as incorporated shall be followed.

- b. For insurance of goods to be supplied, relevant instructions as provided shall be followed.
- c. Unless otherwise specifically indicated in this NIT document, the terms FCA, FOB, FAS, CIF, CIP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
- d. The need for indication of all such price components by the bidders, as required in this clause is for the purpose of comparison of the tenders by the purchaser and will no way restrict the AIIMS, Jodhpur right to award the contract on the selected bidder on any of the terms offered.
- e. ***Custom Duty as quoted in Financial Bid will be taken for comparison purpose. However actual reimbursement of Custom Duty will be lower of Custom duty/ taxes quoted or amount mentioned in Bill of Entry.***

21. Custom Clearance: For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. Transportation of goods up to AIIMS, Jodhpur and its successful installation and commissioning is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier. **NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC.**

22. Indian Agent:-If a foreign bidder has engaged an agent in India in connection with its bid, the foreign bidder, in addition to indicating Indian agent's commission, if any, shall also furnish the following information:

- a. The complete name and address of the Indian Agent and its Permanent Account Number as allotted by the Indian Income Tax authority.
- b. The details of the services to be rendered by the agent for the subject requirement.
- c. Details of Service outlets in India, nearest to the AIIMS, Jodhpur to render services during Warranty and CMC period.

23. Firm Price

- a. Unless otherwise specified in the NIT, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- b. However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated will apply.

24. Conversion of tender currencies to Indian Rupees: - In case the bid document permits the bidders to quote their prices in different currencies, all such quoted prices of the responsive bidders will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the closing exchange rates established by the Reserve Bank of India for similar transactions, as on the date of '**Last Date of Submission of Tender**'.

25. Payment Terms:

i) Payment for goods supplied from India:

100% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the inspection report.

ii) Payment for Imported goods:

For imported goods payment shall be made in the following manner:

- a) **On shipment:** 75 % payment of the contract price shall be paid 60 days after presentation of shipping documents {goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country} and upon the submission of the following documents:

- i. Four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- ii. Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill.
- iii. Insurance Certificate;
- iv. Certificate of origin by the chamber of commerce of the concerned country;
- v. Certificate of country of origin;
- vi. Manufacturer's / Supplier's warranty certificate;
- vii. Manufacturer's own factory inspection report.

b) **On Acceptance:** 25 % payment would be made after satisfactory installation & commissioning on issuance of Inspection certificate by the AIIMS, Jodhpur.

Note:-The supplier shall not claim any interest or any other payment under the contract.

26. Guarantee / Warrantee Period: The Tenderers must quote for **05 years** comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent **05 years** Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

27. Uptime guarantee: The firm should provide uptime guarantee of 95%.

28. Downtime penalty Clause

- a. During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handling over the unit to the Institute.
- b. The principals or their authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

29. Arbitration: If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Director, AIIMS, Jodhpur. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1996 and the rule framed there under and in force shall be applicable to such proceedings.

30. Subletting of Work: The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of AIIMS, Jodhpur, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.

31. Breach of Terms and Conditions: In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by AIIMS, Jodhpur in that event the security deposit shall also stands forfeited.

- 32. Insolvency etc.:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Jodhpur shall have the power to terminate the contract without any prior notice.
- 33. Force Majeure:** If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive. Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.
- 34.** Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.
- 35.** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.
- 36.** Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
- 37.** After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer
- 38.** Conditional bid will be treated as unresponsive and it may be rejected.
- 39. Demonstration:** - AIIMS Jodhpur reserves the right to ask the tenderers for arranging demonstration of their equipment for which rates have been quoted, to the concerned committee, if required.
- 40.** The Institute reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
- 41. Applicable Law:**
- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
 - Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.
 - The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the parties.
 - Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

**Administrative Officer
AIIMS, Jodhpur**

Annexure-I

S.No	Item	Technical Specification	Qty
01.	USG Machine with Doppler	<p>1 System should be the latest "State of the Art" fully digital ultrasound equipment capable of performing Whole Body & OBS-GYN Scanning Procedures</p> <p>2 The system should have the following modes : B-Mode (2D), Conventional M-Mode with varying sweep rates, anatomical M-Mode, PW Doppler with high PRF (PW), CW Doppler imaging (CW), High PRF Doppler Mode , (TD)-Tissue Doppler mode, color flow Doppler mode (CFM), Power Doppler Mode(PD), Directional power Doppler, HD-Flow Doppler Mode (HD-Flow) and B-Flow (BG), B/Color/FVV</p> <p>3 Power Doppler angio imaging for perfusion studies for visualization of flow in small vessels and should be supported by all transducers</p> <p>4 The System should be having a minimum of 20,10,000 Digital channel processing technology</p> <p>5 Tissue Doppler Mode (TD) - Should allow high frame rate acquisition of tissue motion (up to 400 fps)</p> <p>6 Volume imaging, multislice imaging with variable slice thickness and multiplanar imaging on all types of 3D and 4D modes</p> <p>7 System should have facility for volume 3D/4D with convex and EV probe (on both gray scale and color Doppler modes)</p> <p>8 Should be capable of performing live 4D imaging with volume transducers. 4D imaging should be possible in gray scale, color mode, harmonic mode and with contrast agent imaging. Instant rendering of MPR images should be possible that rival acquired 2D resolution</p> <p>9 Elastography should be available into the elastography mode. System should have indicator for compression level with side-by side display of 2D image and 2D with elastogram images. System should have facility for dynamic range selections, dynamic resolution selection and different optimization for settings for different tissue compositions, color coded display with parametric imaging</p> <p>10 Dynamic range should be 274 dB or more with range adjustability by selecting different dynamic contrast curves. Higher dynamic range will be preferred</p> <p>11 A 2D imaging depth of at least 36cms. More will be preferred</p> <p>12 256 (8 bits) discrete gray levels</p> <p>13 16.8 million color 24 bit</p> <p>14 2D acquisition frame rate more than 500 frames/sec, color Doppler frame rate more than 300/S</p> <p>15 Multiple focal imaging</p> <p>16 Real time compounding with color or power Doppler imaging</p> <p>17 Multiple frequency selection for better penetration and resolution for better tissue differentiation and better contrast resolution</p> <p>18 Post processing tools for annotation, measurement, correction of angle, baseline, sweep speed should be possible on stored images</p> <p>19 System should have multivariate Tissue Harmonic Imaging including pulse inversion phase cancellation technology and coded harmonics on all</p>	01

	<p>transducers.</p> <p>20 It should be able to operate with compound imaging and speckle reduction algorithm</p> <p>21 System should have on touch tissue contrast resolution adjustment without altering the set presets levels</p> <p>22 System should have real time compounding imaging technology with minimum 9 transmitted lines of sight.</p> <p>23 Real time compound imaging should operates in conjunction with Tissue Harmonic imaging, volume modes, panoramic imaging, and duplex Doppler and in conjunction with speckle reduction imaging</p> <p>24 High resolution algorithms for advanced speckle noise reduction, refined tissue pattern displays and fine border definition.</p> <p>25 Should operate in 2D and 2D/CH/Doppler mixed modes (up to 150 frames per second) and with 3D and contrast agent imaging.</p> <p>26 This feature shall have operator selectable settings and capable of displaying in side by side mode with non speckle reduced image</p> <p>27 Should have trapezoidal imaging and steerable imaging for 2D, color and Doppler with linear probe</p> <p>28 Beam steering should be possible with angles up to 30 deg. On linear probe</p> <p>29 Panoramic / extended field of view imaging should be available on 2D as well as color mode on convex and linear transducers.</p> <p>30 This mode should build the extended field of view in a real time manner, showing the image as it builds</p> <p>31 One button automatic adjustment / optimization for 2D mode, color mode and Doppler mode with auto correction of relevant fields of the mode used</p> <p>32 Incorporates advanced pulse shaping, coding excitation using new chirp transmit technology and coded harmonics mode for imaging deeper areas and obese patients. Additionally technology if available for imaging obese patents will be preferred</p> <p>33 The system should have a fast boot up time less than 200 seconds, when switch ON from OFF positional and also less than 60 second from STANDBY position. Specify the system booting time less will be preferred</p> <p>34 System should have high capacity fans with automatic speed for system cooling</p> <p>35 Year of introduction of the specific model - should be as latest as possible, preferably should have been launches with in 2:3 years</p> <p>36 Unique user friendly user interface for comfort and fast throughput</p> <p><u>SYSTEM CONTROLS</u></p> <p>37 System should have at least 45 automated and user programmable presents (output power signal processing and calculations)</p> <p>38 System should have facility to adjust 2D performance instantly for different patient types (thin, average, obese)</p> <p>39 The system shall display thumbnails on a clipboard with live gray mode while scanning to facilitate exams</p> <p>40 Pan and zoom facility with high resolution results in both live and</p>	
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	<p>frozen images</p> <p>41 Higher zoom will be preferred with HD zoom functionality up to 22xzoom</p> <p>42 Cine loop review facility in individual and mixed modes (frame by frame and in video mode), 2D : up to 10 min (depending on B-Image size and FPS); typical; about 3 min/4000 images (with curved array : 15 cm depth,</p> <p>43 M mode : up to 20 min motion time (depending on sweep speed and depth)</p> <p>44 Doppler mode : up to 10 min motion time (depending on sweep speed)</p> <p>45 Post processing in freeze mode (dynamic Range adjustment, color display on / off, color / Doppler invert, color / Doppler baseline adjustment, sweep speed, measurement, annotation and pictogram). Post processing of B-Mode images with Speckle Reduction Algorithm</p> <p>46 Real time automatic Doppler calculations on touch of a button. Should provide facility to apply automatic Doppler analysis retrospectively to frozen spectral data or data retrieved from Doppler scrolling. Possibility of manual Doppler trace</p> <p>47 System should have at least 8 calipers with depth information and extensive, customizable measurement and report packages including vascular, abdominal, small parts, urology, pediatrics, ortho, neurology, complete obstetrics, multigestational calculations, gynecology, and fetal heart report packages</p> <p>48 Calipers should have minimum precision of 0.1mm , small size calipers for measuring < 5mm</p> <p>49 Calipers of dynamically varying contrast compared to background. Delete last measurement option, curved linear distance measurement</p> <p>50 Measurement (Distance and areas) should be possible in real time (non frozen) frozen and on saved images as well</p> <p>51 facility to save reports along with patient data which can be retrieved later. Measured parameters must be printed directly in from of a report through laser printer</p> <p>52 System should have facility of electronic biopsy guide and algorithm for clear needle visualization. The system should be capable of displaying biopsy lines (for all transducers) while performing a fusion of B mode and color mode</p> <p><u>3D / 4D MODE</u></p> <p>53 Speed adjustment on volume imaging</p> <p>54 different render direction to view the volume image</p> <p>55 Advanced tool for accurate quantification of irregular regions in 3D and automatically calculates the number and volume of hypo echoic structures to speed follicular assessments</p> <p>56 Ability to restrict firing of the probe to a particular slice thickness of the region of interest</p> <p>57 Advanced tool for selection of slice thickness out of complete volume dataset</p> <p>58 4D fetal echo - 2D + color + B Floor, STIC + Power Doppler mode</p>	
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		<p>STIC + CFM Doppler mode, STIC + HD Flow Mode, STIC+CRI STIC + CRI+CFM, STIC+CFI+PD STIC+CRI+HD-flow, STIC + B-Flow STIC + multislice mode with cine movement 59 Advanced imaging mode for visualisation of hypo echoic areas and get automatic precise volume 60 Simultaneous visualization of 3 planes and 3D to guide the needle to the lesion 61 Transforming nuchal thickness measurement with automation 62 Should have auto 3D/4D rendering as well to get the best of 3D in fraction of second with one touch 63 Advanced Spatio temporal image correlation with STIC anatomical M Mode 64 Semi automated tool to provide quantifiable Sono NT measurements 65 Automated sonography based technology helps streamline the acquisition of volumetric images of the fetal heart, displaying all recommended views with the push on one button . 66 3D automated software dedicated to progression of labor (automatically documents the labor procedure to help users evaluate second stage labor progression 67 Soft wares related to Sono AVC follicle, VCAD, Biometry , Advanced VCI , HD Live flow , HD live Silhouette, Advanced 4D , Scan Assist , Render live should be standard part of the Scope of supply</p> <p><u>PHYSICAL DIMENTIONS</u></p> <p>67 the equipment should be a room based wheeled unit with integrated brake, foot rest, transducer, cable and gel bottle holder, r and with electronic height adjustment facility for control panel and monitor independently. Transducer and gel bottle holders should be removable</p> <p>68 The monitor should be at least a 23" high resolution LCD /LED Display monitor with articulating arms with resolution FHD up to 1920x1080 pixel.</p> <p>It should be have tilt angle of + 10 Deg / (-) 90 Deg. And rotate angle : +/- 115 Deg.</p> <p>There's should be a digital brightness and contrast adjustment with preferable three default setting (dark room, semi dark room, bright room)</p> <p>69 The system shall include a touch screen LCD with context sensitive menus to facilitate productivity as well as minimize training requirements. The touch screen LCD should be at least 12.1 " for ease of use</p> <p>70 System should have a full size alphanumeric key board with interactive back - lighting.</p> <p>71 The key board should be floating with rotation of +/- 40 deg from center, and with adjustable height of +200 mm</p> <p>72 Integrated recording keys for remote control of up to 4 peripherals or DICOM devices one dedicated DVD recording key</p> <p>73 The system shall have 4 universal probe ports in a convenient (3 active at a time) easy to access location with electronic switching facility</p>	
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IMAGE STORAGE, DOCUMENTATION DEVICES AND CONNECTIVITY ISSUES

74 Must allow digital storage of gray scale as well as color images (both frozen and cine loops) Facility of reviewing and exporting in different formats

75 System shall support the ability to store digital raw data that allows optimizing imaging parameters such as B Gain, TGC, Color gain, dynamic range, speckle reduction levels, Doppler gain, Doppler base line on image recalled from the image archive

76 The system should have on board storage facility for at least 450 GB. The hard drive should be inbuilt. System should store at least 10,000 images and additionally at least 30 minute of cine loops can be recorded

77 The system shall provide the ability to sort images stored on board based on patient name, exam date, patient id and exam types, patient directly should show network status as print status, archive status, commit status and export to DVD status

78 Possibility to modify / edit patient data during and after exam has been completed

79 Screen and hard copy image distortion of less than 5%

80 Must have integrated CD/DVD writing - burning facility and it could be viewed on any ordinary PC. Machine must have capability to write CD/DVD separately of a previous patient during scanning to save time Should be able to archive data from previously stored CD/DVD

81 DVD /CD drive to store / retrieve images in different formats (TIFF / JPF / AVI / DICOM) / patient reports

82 System should be DICOM 3.0 (or higher version) ready (Storing, transfer, print record on CD/DVD, DICOM structured reporting for OS and uro gynecology) including modality work list enabled and also to permit communication between devices of various manufacturer (existing in the department) and a facility of connectivity through Web (minimum network connection speed opt 100 Mbits/s) Details to be provided

83 USB PORT : Minimum 4 USB ports in machine and must be providing with USB memory stick to transfer reimages

84 System should be easily integrated in hospital PACS without any extra costs

Images must be printed on ink jet printer / laser printer in format of 4-15 spots per page (without using another computer in between). It should send images after each acquire and after end of exam (batch send)

TRANSDUCERS AND BIOPSY ATTACHMENTS

85 Transducers should be of broadband width with low loss lens and beam former technology for extreme high resolution image.

86 Please specify model number, footprint, bandwidth, imaging frequency, Doppler frequency, FOV and weight of each transducer.

87 Lightweight transducers with flexible cables will be preferred

88 Biopsy guides should allow various size needles (24-16 G)

89 Multifrequency 2D convex transducer for obstetrics and gynecology

	<p>applications, biopsy needle guide with kit</p> <p>90 2D - Convex Probe with Wide band frequency of 2- 8 MHz</p> <p>91 2D - End cavity Probe with Wide band frequency of 4 - 9 MHz</p> <p>92 2D - Matrix Linear Probe with Wide band frequency of 4 -13 MHz</p> <p>93 4D - Broadband Convex Probe with 2-5 MHz (or) 4-8 MHz small and light weight will be preferred</p> <p>94 4D - Broad band End cavity Probe 6 to 12 MHz for transvaginal examination with reusable biopsy guide</p> <p><u>ACCESSORIES</u></p> <p>95 BAN Thermal printer of latest model (with CE or FDA mark) for image printouts. Please specify the brand model and specification details</p> <p>96 Color laser printer for direct printing of images from the system (CE or FDA mark) minimum dpi of 1200</p> <p>97 Latest generation processor PC including software for frame grabbing and image display / storage and printing option.</p> <p>98 It should be able to store patient images for at least 1 year (assuming 40 patients and 10 Doppler's per day) HARD DISC</p> <p>99 The unit shall have a gel warmer for the comfort of the patient (integrated gel warmer will be preferred)</p> <p>100 Online UPS with voltage correction and maintenance free batteries of a reputed brand, to support all functions of the equipment and accessories. At least 30 min backup. Please specify the brand, model and details</p> <p><u>GENERAL INSTRUCTION TO VENDORS</u></p> <p>1 Supplier must ensure availability of expertise service and maintenance at AIIMS Jodhpur</p> <p>2 Supplier must ensure availability of spare parts and repair for next 10 years must be assured</p> <p>3 All information in the tender document must be supported in the product data sheet</p> <p>4 Compliance statement sheet must quote peg encumber/s as it appears in the product data sheet enclosed by the vendor</p> <p>5 supplier should be able to demonstrate its quoted model when and where required along with quality control programmed for system performance with phantom</p> <p>6 Supplier must attach the list of quoted model installation in reputed government institutions inside India (at least 2).</p> <p>7 Supplier must attach individual performance report of its quoted model from reputed government institutions mentioned in the list</p> <p>8 Supplier should provide two sets of each operating, training, service manual and CD/DVD in English. Please provide original manufacturer specification data sheet and catalogue</p>	
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Annexure-II

TECHNICAL BID

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone No:- Mobile No:- Email Id:-	
Name and address of service centre nearby Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate).	
PAN No. (enclose the attested copy of PAN Card).	
GST IN (enclose the attested copy of GST Registration Certificate).	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque of Earnest Money Deposit.	
Whether the Firm/Agency has signed each and every page of Tender/NIT.	
Please provide full list of consumables.	
Any other information, if necessary.	

Authorized signatory of the bidder with seal.

Format for Affidavit of Self Certification regarding Local Content in a Medical Devices to be purchase on Rs. 100/- Stamp Paper.

I _____ S/o, D/o, W/o _____ Resident
of _____ do

hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:

That the information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated by the Department of Pharmaceuticals. Government of India for the purpose of assessing the local content.

That the local content for all inputs which constitute the said medical device has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms based on the assessment of an authority so nominated by the Department of Pharmaceutical. Government of India for the purpose of assessing the local content, action will be taken against me as per Oder No. P-45021/2/2017-B.E-II dated 15.06.2017 and Guidelines issued vide letter no. 31026/36/2016- MD dated – 18.05.2018.

I agree to maintain the following information in the company's record for a period of 8 years and shall make this available for verification to any statutory authority.

- i. Name and details of the Domestic Manufacturer (Registered Office, Manufacturing unit location, nature of legal entity).
- ii. Date on which this certificate is issued.
- iii. Medical devices for which the certificate is produced
- iv. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed
- vi. Name and contact details of the unit of the manufacturer
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi. List and total cost value of inputs used for manufacture of the medical device.
- xii. List and total cost of inputs which are domestically sourced Value addition certificates from suppliers. If the input is not in use attached.
- xiii. List and cost of inputs which are imported, directly or indirectly.

For and on behalf of

(Name of firm/entity)
Authorized signatory

Annexure-IV

MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM

To

The Administrative Officer,
All India Institute of Medical Sciences, Jodhpur

Sir,

TENDER: _____.

we, _____, who are established and reputable manufacturers of _____, having factories at _____ and _____, hereby authorize Messrs. _____ (name and address of agents) to bid, negotiate and conclude the contract with you against Tender No. _____ for the above goods manufactured by us. No company or firm or individual other than Messrs. _____ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

The authorization is valid up to _____

Yours faithfully,

For and on behalf of Messrs. _____
(Name of manufacturers) Principal