

**Notice Inviting Tender for**

**"Echocardiography Ultrasound cum ECHO Machine  
Portable Ultrasound Scanner"**

At

**All India Institute of Medical Sciences, Raipur**

No	DME Stage	Start Date & Time
1.	NIT No.	Admin/Tender/ Echo _ Ultrasound _ Portable _ Ultrasound_Scanner / 1 / 2014
2.	NIT issue date	10-09-2014
3.	Pre bid Meeting	01-10-2014 at 16:30 PM
4.	Last Date of submission	14-10-2014 at 16:30 PM



आरोग्यम् सुखं सम्पदा

**All India Institute of Medical Sciences, Raipur**

**Tatibandh, Raipur – 492099, Chhattisgarh**

Tele: 0771- 2573777, email: [admin@aiimsraipur.edu.in](mailto:admin@aiimsraipur.edu.in)

Website: [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)

## Chapter I- Instruction to bidders

### Notice Inviting Tender

#### **“Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner”**

All India Institute of Medical Sciences, Raipur, Chhattisgarh, an apex healthcare institute being established by Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed Tenders for supply & installation of the following item(s) at the institute. You are requested to quote your best offer along with the complete detail of specifications, terms & conditions.

Schedule	Name of the Items required to be purchased	Quantity tendered for
A.	Echocardiography Machine	01
B.	Ultrasound cum ECHO Machine	01
C.	Portable Ultrasound Scanner with Doppler Function	01

- Interested parties may send their tender in sealed cover addressed to the Administrative Officer, All India Institute of Medical Sciences, Tatibandh, Raipur superscripted with tender number and complete in all respects latest by 14-10-2014 up to 3:00 pm. The Technical Bid will be opened on the same day at 03.30 PM in the Committee Hall, Medical College Building, All India Institute of Medical Sciences, Raipur. The tenders received after the scheduled date and time will be rejected out rightly.
- The tender is in **two- bid** system i.e. Technical Bid & Financial Bid .The technical bid will be opened on the designated date by the Purchase Committee. The financial bid containing the rate of various item(s) will be opened on a suitable date, to be intimated later by the Purchase Committee in respect of those who qualify the terms and conditions of the technical bid.
- The bidder should seal the technical bid and the financial bid in separate covers superscripted **"Technical bid for Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner"** and **"Financial Bid for Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner"**. Both Sealed Envelopes should be kept in a

main/ bigger envelope super scribed as “**Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner**”. The ‘Technical Bid’ will be analyzed and ‘Financial Bid’ of only those firms who are found eligible in ‘Technical Bid’ will be opened in due course and the eligible firms would be intimated there of accordingly.

**Schedule of Tender**

Issue Date	:	10-09-2014
Pre bid Meeting	:	01-10-2014 at 16:30 PM
Last date and time of receipt of tender	:	14-10-2014 at 03:00 PM
Amount of Earnest Money Deposit (EMD)	:	<b>Schedule A</b> ₹ 1,50,000/- (Rupees One Lakh fifty Thousand)
		<b>Schedule B</b> ₹ 55,000/- (Rupees Fifty Five Thousand)
		<b>Schedule C</b> ₹ 60,000/- (Rupees Sixty Thousand)
Tender Cost	:	₹ 5,000/- (Rupees Five Thousand Only)
Date & time of opening of tender	:	14-10-2014 at 04:00 PM
Venue	:	Administrative Officer, 2 <sup>nd</sup> Floor, Medical College Building, AIIMS, Tatibandh, Raipur-492099

4. Tender document may be downloaded from this Institute's official website <http://www.aiimsraipur.edu.in> or [www.tenders.gov.in](http://www.tenders.gov.in) and the tenderer shall deposit a separate Bank Draft/ Pay Order/ Banker’s cheque in favour of "**All India Institute of Medical Sciences, Raipur**" worth ₹ 5,000/- along with tender Document (Technical Bid). The tenders submitted without tender cost or without EMD shall be liable to be rejected summarily. The cost of the bid document is non-refundable.

**Administrative Officer  
AIIMS, Raipur**

## Chapter-II- Conditions of Contract

### General Terms and Conditions

**Subject:** - Notice Inviting Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner for All India Institute of Medical Sciences, Raipur

#### **1. Earnest Money:**

Earnest money by means of a Bank Demand Draft/DD/ /FD/Pay Order of

- ₹ 1,50,000/- (Rupees One Lakh fifty Thousand only) for Schedule A
- ₹ 55,000/- (Rupees Fifty Five Thousand only) for Schedule B
- ₹ 60,000/- (Rupees Sixty Thousand only) for Schedule C

Should be enclosed with the quotation (Technical Bid). It is also clarified that the quotations received without earnest money will be summarily rejected. The pay Order/DD/BG/FD may be prepared in the name of "**All India Institute of Medical Sciences, Raipur**".

- a) No request for transfer of any previous deposit of earnest money or security deposit or payment of any pending bill held by the ministry in respect of any previous work will be entertained.
- b) Tenderer shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the tenderer fail to observe and comply with stipulations made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited.
- c) Tenders without Earnest Money or Tender cost will be summarily rejected.
- d) No claim shall lie against the AIIMS in respect of erosion in the value or interest on the amount of EMD.

#### **2. Preparation and Submission of Tender:**

- The tender should be submitted in two parts i.e. Technical Bid and Financial Bid. The Technical Bid and the Financial Bid should be sealed by the bidder in two separate covers "**Technical Bid for Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner**" and "**Financial Bid for Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner**". Both Sealed Envelopes should be kept in a main/ bigger envelope super scribed as "**Tender for Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner**"
- Tender shall be rejected if the copy of sales tax registration certificate (now called as VAT) is not furnished. Firm shall furnish a certificate on their firm's letterhead stating that up to date returns have been filed and there are no dues with the concerned department. Firm will also submit the copies of such returns (latest) submitted to the department of trade & taxes.

- Hand written quotations shall be accepted at bidder's risk. In case of any discrepancy in the figures, the rate mentioned in words will only be considered.
- All the equipment quoted should be supplied along with the original catalogue with detailed data sheet.

### **3. Signing of Tender:**

All the duly filled/completed pages of the tender should be given serial /page number on each page and signed. The individual signing the tender or other documents connected with contract must specify whether he sign as:

- a) A sole proprietor of the concern or constituted attorney of such sole proprietor;
- b) A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.
- c) Director or a principal officer duly authorized by the Board of Directors of the Company, if it is a company.

### **N.B.**

- i. In case of partnership firms, a copy of the partnership agreement, or general power of attorney duly attested by a Notary Public, should be furnished on stamped paper duly sworn or affirmed by all the partners admitting execution of the partnership agreement or the general power of attorney. The attested copy of the certificate of registration of firm should also be enclosed along with the tender.
- ii. In the case of partnerships firm, where no authority to refer disputes concerning the business of partnership firm has been conferred on any partner, the tender and all other related document must be signed by all partners of the firm.
- iii. A person signing the tender form or any document forming part of the tender on behalf of another person should have an authority to bind such other person and if, on enquiry it appears that the person so signing had no authority to do so, AIIMS, Raipur may without prejudice, cancel the contract and hold the signatory liable for all costs, consequences and damages under the civil and criminal remedies available.
- iv. The tenderer should sign and affix his firm's stamp at each page of the tender and all its annexure as the acceptance of the offer made by tenderer will be deemed as a contract and no separate formal contract will be drawn. **NO PAGE SHOULD BE REMOVED/ DETACHED FROM THIS NOTICE INVITING TENDER.**

#### **4. Opening of Tender**

The tenderer is at liberty to present either him or authorize not more than one representative to be present at the opening of the tender. The representative present at the opening of the tender on behalf of the tenderer should bring with him a letter of authority from the tenderer and proof of identification.

#### **5. Validity of the bids:**

The bids shall be valid for a period of 180 days from the date of opening of the tender. This has to be so specified by the tenderer in the commercial bid which may be extended if required.

#### **6. Right of acceptance:**

AllIMS, Raipur reserve the right to accept or reject any or all tenders /quotations without assigning any reason there of and also does not bind itself to accept the lowest quotation or any tender. AllIMS, Raipur also reserves the rights to accept all the equipment/instruments in the given tender or only part of it in any given schedule without assigning any reason. Any failure on the part of the contractor to observe the prescribed procedure and any attempt to canvass for the work will prejudice the contractor's quotation or any tender.

#### **7. Communication of Acceptance / Right of Acceptance:**

AllIMS, Raipur, reserves all right to reject any tender including of those tenderers who fails to comply with the instructions without assigning any reason whatsoever and does not bind itself to accept the lowest or any specific tender. The decision of this Institute in this regard will be final and binding. Any failure on the part of the contractor to observe the prescribed procedure and any attempt to canvass the work prejudice the contractor's quotation.

#### **8. Performance Security:**

The successful tenderer will be required to furnish a Performance Security Deposit of 10% of tender amount in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Scheduled/Nationalized Bank duly pledged in the name of the "All India Institute of Medical Sciences, Raipur". The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or for unsatisfactory performance or non-observance of any condition of the contract.

Performance Security shall be submitted in the form of Demand Draft, Bank Guarantee or Fixed Deposit Receipt issued by any Scheduled/Nationalized Bank. Performance Security will be discharged 60 days after completion of contractual obligations (including warranty & CMC period **if applicable**) under the contract.

#### **9. Delivery & Installation:**

The successful bidders should strictly adhere to the following delivery schedule supply, installation & Commissioning should be effected within 4 to 6 weeks from the date of supply

order and this clause should be strictly adhere to failing which administrative action as deemed fit under rules will be taken against the defaulter. Like liquidity damage @0.5% per week shall be imposed.

#### **10. Inspecting, Testing and Quality control**

- i. The purchaser or its nominal representative will inspect and test the ordered goods and the related services to confirm their conformity to the contract specification and other quality control details incorporated.
- ii. The Purchaser reserves the right for stage inspection during manufacturing process, pre-dispatch inspection or post-delivery inspection. The Purchaser as deemed fit shall resort to all these inspection or may waive off any of the inspection.
- iii. Stage Inspection: The Supplier shall offer semi-finished product without paint for stage inspection supported with invoice & test report of major raw material as per relevant specification standards.
- iv. Before resorting to Bulk Manufacture, the supplier shall offer/send the prototype/actual-finished sample for approval by the Inspector. The approval of Samples shall be in respect of workmanship and finishing and shall be without prejudice to the rights of purchaser/user to get random testing of items during pre-dispatch inspection or form the actual lot offered. In the event of the failure of the supplier to deliver the sample by the date specified in the contact or any other date agreed by the purchaser or in the event of rejection of the sample second time, the purchaser shall be entitled to cancel the contract and purchase the stores at the risk and cost of the supplier.
- v. The Inspector shall have full and free access at any time during the execution of the contract to the supplier's work for satisfying himself that the goods are being manufactured in accordance with the specification mentioned in the Contract, and he may require the Supplier to make arrangements of inspection of the goods or any part thereof or any material at his premises or at any other place specified by the Inspector and if the Supplier has been permitted to employ the services of a sub-inspection of the goods after they have been inspected by the Inspector for the purpose aforesaid. The decision of the purchaser/inspection authority in this regard shall be final and binding on the Supplier. All terms and condition of the contract as they apply to the inspection shall also apply to the re-inspection.
- vi. The Supplier shall provide, without any extra charge, all material, tools, labour and assistance of every kind, which the Inspector may demand of him for any test, and examination, which he shall require to be made on the Supplier's premises and the Supplier shall bear and pay all costs attendant thereon. If the Supplier fails to comply with condition aforesaid, the Inspector shall, in his sole judgment, be entitled to remove for test and examination all or any of the goods manufactured by the Supplier to any premises other than his (Supplier's) and in all such cases the Supplier's shall bear the cost of transport/and

- carrying out such tests elsewhere. A certificate in writing of the Inspector, that the Supplier has failed to provide the facilities and the means for test and examination, shall be final.
- vii. The Supplier shall also provide and deliver for test, free of charge, at such place other than his premises as the Inspector may specify such material or goods as he may require for tests for which Supplier does not have the facilities or special/independent tests.
- viii. The Inspector shall have the right to put all the goods or materials forming part of the same or any part thereof to such tests as he may think fit and proper. The Supplier shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspector.
- ix. Goods accepted by the purchase/AIIMS, Raipur and/or its inspector at initial inspection and in final inspection in terms of the contract should in no way dilute purchasers/AIIMS, Raipur's right to reject the same later.
- x. The Purchaser's Inspector reserves the right to may draw samples through random sampling method after receiving the finished goods at destination. All the supplies shall be accompanied with the Manufacturer's certificate that the material conforms to the specifications.

Further to above if on the goods being rejected by the Inspector or AIIMS, Raipur at the destination, the Supplier fails to make satisfactory supply within the stipulated period of delivery the Purchaser shall be at liberty to:-

- a. Require the Supplier to replace the rejected goods forthwith but in any event not later than a period of 30 days from the date of rejection and the Supplier shall bear all cost of such replacement, including freight, if any, on such replacing and replaced goods but without being entitled to any extra payment on that or any other account.
- b. Purchase or authorize the purchase of quantity of the goods rejected or goods of a similar description when goods exactly complying with particulars are not in the opinion of the Purchase, which shall be final, readily available without notice to the supplier at his risk and cost and without affecting the Supplier's liability as regards the supply of any further installment due under the contract, or
- c. Cancel the contract and purchase or authorized the purchase of the goods or goods of a similar description (when goods complying with particulars are not in the opening of the Purchase, which shall be final, readily available) at the risk and cost of the Supplier.
- d. The Inspector shall have the power:-
- Before any goods or part thereof are submitted for inspection to certify that they cannot be in accordance with the contract owing to the adoption of any unsatisfactory method of manufacture.
  - To reject any goods submitted as not being accordance with particulars.
  - To reject the whole of the installment tendered for inspection, if after inspection of



such portion thereof as he may in his discretion thinks fit, he is satisfied that the same is unsatisfactory.

- To demand all cost incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work however if goods are accepted all cost incurred shall be borne by the Purchaser.

Inspector's decision as regards the rejection shall be final and binding on the Supplier.

## **11. Guarantee / Warranty, Service, Maintenance:**

### **Warranty**

The tenderers must quote for 5 years onsite warranty from the date of completion of the satisfactory installation as certified by the stipulated committee. The Warranty charges **shall not** be quoted separately otherwise the offer shall be summarily rejected. Also the Bidders should submit their quote for subsequent 5 years on site CMC (include free labour, repair, other services & spare parts). Failure to comply this condition will entail the rejection of the Bids. The price comparison shall be made taking into account on basic price and post warranty CMC. The Rate Contracting Authority reserves the right to award CMC. A.M.C. (without spare parts) shall be quoted for equipments costing upto Rs.5.00 Lacs and C.M.C. (include free labour, repair, other services & spare parts) shall be quoted for equipments costing above Rs.5.00 Lacs. So the price of CMC should be quoted according to the cost of equipment. The amount of CMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department.

### **Service**

The supplier will ensure regular maintenance service by the appropriate engineer having the technical know-how of the equipment. The supplier shall also ensure the presence of resident engineer in the geographical location of this city of Raipur so that he attends the call without loss of time.

### **Maintenance**

**It will be mandatory for the supplier to enter into a maintenance contract as applicable below:**

- a. If the cost of the unit/instrument/equipment is less than INR Five Lakhs, then the supplier has to sign an annual maintenance contract with the purchaser. During this period the supplier shall ensure quality maintenance / check service of minimum 4 times a year in addition to the calls that might be raised by the user department. This contract will be 1 % per annum of the base price (exclusive of taxes / duties) quoted in the financial bid and shall be paid to the supplier at the end of the year with the clearance / satisfaction certificate issued by the user department.
- b. If the cost of the unit/instrument/equipment is more than INR Five Lakhs, then the supplier has to sign a comprehensive maintenance contract with the purchaser. During this period

the supplier shall ensure quality maintenance / check service of minimum 4 times a year in addition to the calls that might be raised by the user department. This contract will be 3 % per annum of the base price (exclusive of taxes / duties) quoted in the financial bid and shall be paid to the supplier at the end of the year with the clearance / satisfaction certificate issued by the user department.

- Non-compliance of any of these conditions or any of the conditions mentioned in the document renders the purchaser to blacklist the supplier along with appropriate legal actions.

## **12. Downtime penalty Clause**

- During the Guarantee/warranty period, desired uptime of 95% of 365 days (24 hrs) if downtime more than 5% the institute shall be entitled to impose penalty equal to amount of 0.05% of the total cost of the equipment per day for the first seven days will be payable by the vendor which will be doubled on subsequent weeks along with extension of warranty period by the excess down time period. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute. If accessories/other attachments of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the AMC from the third party separately along with the main offer and the third party will have to sign the AMC with the Institute if required.
- In no case instrument should remain in non-working condition for more than **7days**, beyond which a penalty of **2% of machine cost** will be charged per day.

## **13. Liquidated Damages**

If the supplier fails to deliver any or all of the goods or fails to perform the service within the time frame(s) incorporated in the tender, the Purchaser shall, without prejudice to other right and remedies available to the Purchaser under the tender, deduct from the quoted price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of the quoted price. Once maximum 10% of value of delayed supply is reached, Purchaser may consider termination of the tender.

## **14. 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 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, AIIMS, Raipur party may, at least option to terminate the contract.

**15. 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, Raipur shall have the power to terminate the contract without any prior notice.

**16. 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, Raipur. In that event the security deposit shall also stands forfeited.

**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, Raipur, which will be at liberty to refuse if thinks fit. The tender is not transferable. One tenderer shall submit only one tender.

**17. Right to call upon information regarding status of work:**

The AIIMS, Raipur will have the right to call upon information regarding status of work/ job at any point of time.

**18. Terms of payment:**

1. 70% of the purchase order value will be released after the successful supply & remaining 30% of the amount shall be released after the successful completion of the installment and commissioning of equipment & accessories and demonstration of the performance to the satisfaction of the concerned department.
2. No payment shall be made for rejected Stores. Rejected items must be removed by the supplier within two weeks of the date of rejection at their own cost & replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.

**19. Arbitration**

If any difference arises concerning this agreement, its interpretation on payment to the made thereunder, 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 Secretary, Department of Legal Affairs. 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, 1990 and the rule framed there under and in force shall be applicable to such proceedings.

**20. Legal Jurisdiction:**

The agreement shall be deemed to have been concluded in Raipur, Chhattisgarh and all obligations hereunder shall be deemed to be located at Raipur, Chhattisgarh and Court within Raipur, Chhattisgarh will have Jurisdiction to the exclusion of other courts.

**Administrative Officer  
AIIMS, Raipur**

### Chapter III - Specifications and allied Technical Details

#### **Parameters and Technical Specifications for Executing the Work:**

1. The participant manufacture/companies having own manufacturing units or their authorized dealer can only participate. Proof of manufacturing is to be attached. Client may also visit and inspect the manufacture set up as deemed fit.
2. Manufacturer should be European CE & US FDA/ EN ISO Certified. Dealers participating should enclose certificate from their parent manufacturer company.
3. The firm should be registered and should have the turnover of atleast 50% of contract value of business in India the last three consecutive financial years.
4. The firm has to submit a proof of turnover as mentioned above supported by attested by C.A. documentary materials.
5. Tenderer must provide evidence of having supplied to at least 3 reputed government / reputed private organizations in India including at least one government institution & atleast **1/3** contract value in the last three years.
6. The demonstration of the equipment forms an essential part of the tender. The bidder has to arrange for the demonstration of the equipment with no financial assistance from AIIMS Raipur.
7. The tenderer can quote for either/all of the schedules mentioned in the bid. If the tenderer is quoting all the Schedules it has to include separate financial bid for each schedule in a separate envelope labeled with the respective schedule on the envelope. **Price of the individual instrument/equipment in each schedule should be mentioned in the financial Bid of the quoted schedule, if not the bid for that schedule will be out rightly rejected.**
8. **AIIMS, Raipur also reserves the rights to accept all the equipment/instruments in the given tender or only part of it in any given schedule without assigning any reason.**
9. The delivery of the items will have to be made at AIIMS, Raipur. No transportation and cartridge charges will be provided for the same.
10. The rate quoted should be firm and final and written in ink or typed against each item and should in no case be overwritten.

I / We hereby accept the terms and Conditions given in the tender

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(Signature & Stamp of the bidder)

*Note- Please sign each page of document including terms & conditions & tender*

**Chapter - IV Contract Form****TENDER FORM - 1 - TECHNICAL INFORMATION AND UNDERTAKING**

(Tenderer may use separate sheet wherever required)

(In separate sealed Cover-I super scribed as "Technical Bid")

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
1.	Name & Address of Tenderer with phone number, email, name and telephone/mobile	Mention in Letter head		
2.	Specify your firm / company is a manufactures / authorised dealer / distributor / Agency	Mention in Letter head		
3.	Name, Address & designation of the authorized person (Sole proprietor / partner / Director)	Mention in Letter head		
4.	Power of Attorney / authorization for signing the bid documents	Mention in Letter head		
<b>A</b>	<b>Original Equipment Manufacturers (OEM) Prequalification:</b>			
	(a) Please provide the name, address, and the other details of the OEM. If the OEM is originally incorporated in other country, please furnish such details for India also. (b) Please provide full details of factory /manufacturing units.			
5.	OEM must be a European CE & US FDA/ EN ISO Certified company consistently	Copy of Valid certificates		
<b>B</b>	<b>About the tender Offer</b>			
6.	Tenderer must provide evidence of having supplied government hospital /reputed private hospital organizations in India similar nature of items of at least <b>1/3</b> value of contract amount in the last three years.	<ul style="list-style-type: none"> <li>• Copy of the all the Supply orders.</li> <li>• Satisfaction certificates (along with contact details) from at least two institutions.</li> </ul>		
7.	The Average annual turnover of th bidder in the last three financial years should not be less than <b>50%</b> of the contract value.	Copies of authenticated balance sheet for the past three financial years		
<b>C</b>	<b>Dealer / Distributor Prequalification:</b>			
8.	Tenderers, if not OEM, must submit OEM's authorization certificate that the tenderer is authorized for selling, and maintaining the equipment quoted for.	<b>OEM's authorization letter</b>		

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
9.	Dealers/Agency participating should enclose European CE & US FDA/ EN ISO certificate from their parent manufacturer company	Copy of Certificate		
10.	A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.	Undertaking <b>authorization letter</b>		
<b>D</b>	<b>Tender Related</b>			
11.	Acceptance of terms & conditions attached (Yes/No). Whether each page of NIT and its annexure have been signed and stamped	Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. <b>Otherwise your tender will be rejected.</b>		
12.	Whether original catalogue of the equipment/instruments quoted with detailed data sheet enclosed.			
<b>E</b>	<b>Other Relevant Information required</b>			
13.	Permanent Account Number	Copy of the PAN Card		
14.	Please attach copy of last three years of Income Tax Return			
15.	VAT/Service Tax Registration Certificate	Please attach certificate		
16.	Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the police against the Proprietor / firm / partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner. Please also declare that proprietor/firm has never been black listed by any organization.			

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
17.	Have you previously supplied these items to any government/ reputed private organization? If yes, attach the relevant poof. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. <b>If you don't fulfil these criteria, your tender will be out rightly rejected.</b>			
18.	Details of the FDR/DD/BG of bid security (EMD)			
	<b>A. Schedule A - ₹ 1,50,000/-</b>	FDR/DD/BG No: Date: Payable at:		
	<b>B. Schedule B - ₹ 55,000/-</b>	FDR/DD/BG No: Date: Payable at:		
	<b>C. Schedule C - ₹ 60,000/-</b>	FDR/DD/BG No: Date: Payable at:		
19.	Detail of cost of Tender for Rs. 5,000/- (downloaded from website)			

**Note:**

- i. Page number/serial number may be given to each and every page of Tender Documents and photocopies of the attested documents attached. Mention Page number, wherever the copy (ies) of the document(s) is kept.
- ii. In case of non-fulfillment of any of the above information/ document(s), the Tender will be summarily rejected without giving any notice.

**(Dated Signature of the Tenderer with stamp of firm)**



**Declaration by the Tenderer:**

- 1) That I/we have carefully studied all the terms & conditions of NIT and shall abide by it.
- 2) That I/We shall supply the items of requisite quality.
- 3) That I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

**Place:**.....

**Date:**.....

**(Signature of Tenderer with seal)**

Name:

Address :

“Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner”

AIIMS, Raipur

**FINANCIAL BID for SCHEDULE – A**

(In sealed Cover-II super scribed “Financial Bid for Schedule – A”)

S. No.	Item Description	Qty of units	Unit Price in INR		Custom duty in INR (if applicable)		Taxes (if applicable) VAT / Sales Tax/etc in INR		Service Tax (if applicable) in INR		Total Unit Price (including all taxes)		Total price of (Unit price x Quantity)	
			Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words
1	Echocardiography Machine	01												
	Accessories													
	CMC Total for Five Years (Details is to be mentioned in separate Table)													
	<b>Grand Total*:</b>													

The grand total \* will be the deciding factor for L1 provided all the other conditions mentioned in the tender document (GCC, SCC and the technical conditions) are fulfilled.

DATE:

SIGNATURE WITH NAME AND SEAL

“Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner”

AIIMS, Raipur

**FINANCIAL BID for SCHEDULE – B**

(In sealed Cover-II super scribed “Financial Bid for Schedule – B”)

S. No.	Item Description	Qty of units	Unit Price in INR		Custom duty in INR (if applicable)		Taxes (if applicable) VAT / Sales Tax/etc in INR		Service Tax (if applicable) in INR		Total Unit Price (including all taxes)		Total price of (Unit price x Quantity)	
			Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words
1	Ultrasound cum ECHO Machine	01												
	Accessories													
	CMC Total for Five Years (Details is to be mentioned in separate Table)													
	<b>Grand Total*:</b>													

The grand total \* will be the deciding factor for L1 provided all the other conditions mentioned in the tender document (GCC, SCC and the technical conditions) are fulfilled.

DATE:

SIGNATURE WITH NAME AND SEAL

“Echocardiography Ultrasound cum ECHO Machine Portable Ultrasound Scanner”

AIIMS, Raipur

**FINANCIAL BID for SCHEDULE – C**

(In sealed Cover-II super scribed “Financial Bid for Schedule – C”)

S. No.	Item Description	Qty of units	Unit Price in INR		Custom duty in INR (if applicable)		Taxes (if applicable) VAT / Sales Tax/etc in INR		Service Tax (if applicable) in INR		Total Unit Price (including all taxes)		Total price of (Unit price x Quantity)	
			Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words	Figures	Words
1	Portable Ultrasound Scanner with Doppler Function	01												
	Accessories													
	CMC Total for Five Years (Details is to be mentioned in separate Table)													
	<b>Grand Total*:</b>													

The grand total \* will be the deciding factor for L1 provided all the other conditions mentioned in the tender document (GCC, SCC and the technical conditions) are fulfilled.

DATE:

SIGNATURE WITH NAME AND

**PRICE SCHEDULE FOR**  
**COMPREHENSIVE MAINTENANCE CONTRACT (C.M.C)**  
**AFTER EXPIRY OF WARRANTY**

**(RATES SHOULD BE QUOTED IN INDIAN RUPEES ONLY)**

**SCHEDULE – A/B/C**

Sr No	SM E Co de No.	Name of the Equipment	For Sixth year with spare parts & labour	For Seventh year with spare parts & labour	For Eighth year with spare parts & labour	For Ninth year with spare parts & labour	For Tenth year with spare parts & labour
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Place:

Date:

Signature  
Name in Capital Letters  
Designation

**SPECIAL CONDITIONS**

1. The bidders should submit the relevant certificates / evidence of previous supply to other hospitals. If required, the technical committee may enquire from the other hospitals where the bidders have supplied the material.
2. The bidders should also submit a certificate from the relevant authority as to the quality of the equipment.
3. The bidder should not have been blacklisted before.
4. The bidders shall also arrange for the demonstration of their equipment to the concerned committee regarding the quality aspect.

The above quote should include all applicable taxes. If the rates of various items are L1 for different Tenderer, the AIIMS Raipur reserve the right to either accept the L1 of different firm/agencies or will negotiate, with the firm who has quoted the maximum gross value of L1 items to lower the rate of other item up to the limit of L1 quoted by other firms. In this context, final decision of the committee will be binding to all and no claim in the regard can be entertained. The quantity indicated is tentative and may vary, and any decision in this regard by Director AIIMS Raipur shall be final.

Declaration by the Bidder:

1. This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in Tender document regarding terms & condition of the contract, rules regarding purchase of Maxillofacial Surgery Instruments . I/we agree to abide them.
2. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

Place:.....

(Signature of Bidder with seal)

Date:.....

Name :

Seal :

Address:

## Annexure-I

**TECHNICAL SPECIFICATION FOR ECHOCARDIOGRAPHY ULTRASOUND CUM ECHO  
MACHINE PORTABLE ULTRASOUND SCANNER**

**TECHNICAL SPECIFICATIONS**

**General Specifications:**

1. All the material /equipment should be European CE & US FDA/ EN ISO Certified.
2. All the Electronic equipments should comply with Electrical safety conforms to standards for electrical safety IEC 60601-1.
3. All the equipment's power input should be 220-240 V AC, 50Hz fitted with Indian plug.

**Schedule-A**

**Tender For Echocardiography & USG Machine (01 Nos.)**

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
<b>A</b>	<b>HIGH END COLOR DOPPLER FOR POINT OF CARE APPLICATION</b>	<p>TECHNICAL SPECIFICATION :</p> <p><b><u>Requirement Description:</u></b> A high end Ultrasound Color Doppler for Mobile Ultrasound in Emergency bedside Sonography, intervention care and point-of-care Applications in OT, ICU and Emergency Room along with in built Ultrasound teaching module for students &amp; residents in the ICU &amp; Emergency Departments.</p> <p><b>Typical targeted applications:</b> FAST, FATE, Peripheral Doppler, Ectopic pregnancies, Vascular Access and Fluid tapping and guided procedures, etc.</p> <p>The equipment must be capable of operating in B Mode, M-Mode, Color Doppler, Color Power Doppler (CPD), and Pulsed Wave. It must support transducers with linear array, tightly curved array and curved array formats. Further, it must include a full array of measurement and calculation packages. The specific requires for this equipment are the following:</p>
1.		<p><b><u>System Ergonomics</u></b></p> <ul style="list-style-type: none"> <li>• The system shall be no larger than 165 cm-108 cm(H) x 55 cm(W) x 69 cm(L)</li> <li>• Height adjustment should be atleast 9" travel</li> <li>• The system shall have a large 19" medical Grade LED clinical display.</li> <li>• The system display area (image size) shall be no smaller than 800 X 600 pixels.</li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• The system screen size shall not be less than 1280 X 800 pixels with a screen resolution of 1680 X 1050 pixels and an aspect ratio of 16:10.</li> <li>• The “system display-tilt” shall be tilting forward from vertical and tilt backward from vertical. Specify the angle of tilt for optimum visibility in all scanning postures.</li> <li>• While use in an ICU or OT, in order to prevent cross contamination and infection, the system shall have possess a sealed (Spill proof) user interface. It should be very easy to clean and disinfect.</li> <li>• The system control panel should be built on a capacitive, 12” touch screen. It should not possess any buttons or controls for germs to hide behind including the absence of traditional keyboard</li> <li>• System should have three transducer connector, to actively and electronically switch between transducers while scanning</li> <li>• In order to use the system in multi-user environment; durability and ruggedness of the system is of immense importance, the system frame should be made up of Stainless steel and the system control panel should be made of toughened glass like Gorilla</li> <li>• The system shall be light weight to maneuver easily within institute.</li> </ul> <p>While transporting system should be able to absorb the shocks / any accidental bang on hard surface</p>
2.		<p><b><u>System Power Requirements</u></b></p> <ul style="list-style-type: none"> <li>A. The system shall have the ability to function by 100-240VAC, 50-60 Hz or in built battery power with the same degree of functionality.</li> <li>B. Battery back-up should be one hour without an externally powered UPS / Invertors. The battery life (run time) shall be up to 1 hours and 4 days on idle. The time to charge the battery to full capacity shall be 90 min with a battery life of upto 3 years.</li> <li>C. The system shall go from the off status to active scanning in 20 seconds to address any emergency or critical care needs for intervention radiology.</li> </ul>



Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
3.		<p><b>System Architecture</b>                      Reliability should be ascertained by architecture based on an operating system which is not prone to failure, hang ups, data corruption due to virus infection, while in networking environment.                      The system shall support a gray scale range of 256 shades.                      System must possess Pulse Inversion Harmonics Imaging</p> <ul style="list-style-type: none"> <li>• System must possess Tissue harmonics on all transducers offered</li> <li>• <b>The system shall have broadband architecture with an operating frequency of at least 1 to 15 MHz.</b></li> <li>• <b>The system should have dynamic range of at least 180db</b></li> <li>• System should have a very high imaging capability to transmit the ultrasound beam in a way to pin point precision in order to drastically remove the side lobe artifacts and precisely bring out the real tissue echo signals.</li> <li>• Highly optimized image with change in just the depth.</li> <li>• System should have advanced needle visualization tool to eliminate the “hidden needle” insteep angle interventional procedures of vascular access, Breast Biopsies, Small parts, MSK and Nerves</li> </ul>
4.		<p><b>User Interface</b></p> <ul style="list-style-type: none"> <li>• To enable the highest level of ease-of-use, the system control panel should have multi-touch gesture driven interface like, Swipe, Pan (Drag), Tap, Pinch and Expand, etc. resembling the use of today’s daily gadgets like smart phones, laptops, tablets, etc.</li> <li>• To further simplify the user interface, system control panel should facilitate personalization of commonly used soft menu keys and user defined presets for each examination</li> </ul>
5.		<p><b>IMAGE STORAGE &amp; ARCHIVAL</b></p> <ul style="list-style-type: none"> <li>• Thumb nail review of stored images and clip and option to auto clip export at the end of exam is required</li> <li>• Data storage media should be static and above 60 GB, enough to store over 50,000 images, clips or combination of the same.</li> <li>• The system shall have archive capability for storage and retrieval of images and clips.</li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• The system shall provide the capability to storing clips via time or heartbeats gating.</li> <li>• The system shall provide the capability to store clip data prospectively or retrospectively.</li> <li>• The system shall provide the ability to preview clips prior to committing them to storage.</li> <li>• The system's storage capacity shall accommodate up to 64GB on a very highly reliable static memory drive.</li> <li>• The system shall be DICOM 3.0 compliant.</li> <li>• DICOM Image Management: Print, store, Modality Worklist, Performance procedure Step (PPS), storage commitment</li> <li>• The system shall be capable of transferring images by batch or as exam is in progress to a DICOM archive.</li> <li>• The system has easy to use configuration menus for all networking features.</li> <li>• The system allows for saving the DICOM configuration via USB so they are easy to replicate or restore.</li> <li>• The system shall allow for location specific connectivity configuration.</li> <li>• The system shall provide a comprehensive set of tools that the customer can use for HIPAA Compliance.</li> </ul>
6.		<p><b>PERIPHERALS</b></p> <ul style="list-style-type: none"> <li>• The system shall support ECG.</li> <li>• The system shall have minimum inbuilt 4 USB ports (Digital Video Output port), Ethernet port for DICOM interface, DVR USB port, BAR CODE scanner interface, Bar code auto query (populates patients demographics from worklist).</li> <li>• An optional Digital Video Recorder (DVR) to be quoted</li> </ul>
7.		<p><b>Measurement, Analysis and Labeling:</b></p> <ul style="list-style-type: none"> <li>• <u>The system shall support up to 8 generic distance calipers.</u></li> <li>• <u>The system shall provide the user with up to 4 generic trace tools.</u></li> <li>• <u>The system shall provide the user with up to 4 generic ellipse tools.</u></li> <li>• <u>The system shall provide the user with a generic heart rate tool.</u></li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• <u>The system shall provide a generic pressure half time tool.</u></li> <li>• <u>The system shall provide a hip angle measurement tool.</u></li> <li>• <u>The system shall have a dedicated obstetrical calculations package.</u></li> <li>• <u>The system shall have a dedicated vascular calculations package.</u></li> <li>• System should have self generated MSK worksheet, derived from the measurements and calculations stored while scanning.</li> <li>• Predefined set of Labels (Annotation) to be built in</li> <li>• Provision of customizable labels is a must for advanced applications and academics</li> <li>• Predefined Pictograms – Abdomen, Obstetrics, Gynecology, MSK, etc.</li> <li>• Editable results in data sheets and reports</li> </ul>
8.		<p><b>Calculations</b></p> <ul style="list-style-type: none"> <li>• OB/Gyn/Fertility: Diameter/ellipse measurements, volume, 10 follicle measurements</li> <li>• 2D OB Calculation Package Measurements: YS, GS, NT, CRL, BPD, OFD, HC, TTD, APTD, AC, FTA, FL, HL, Tibia, TCD, Cereb D, CM, Cervix Length, Amniotic Fluid Index, Heart Rate, Middle Cerebral Artery, Umbilical Artery</li> </ul> <p><b>VASCULAR:</b></p> <ul style="list-style-type: none"> <li>• Diameter/ellipse measurements, volume flow, percent diameter and area reduction, peak velocity, end diastolic velocity, resistive index, pulsatility index, S/D Ratio, acceleration time, time average mean velocity, time average peak velocity</li> <li>• Carotid Calculation Package: CCA, ICA, ECA, ICA/CCA ratio, vertebral</li> </ul> <p><b>SMALL PARTS:</b> Volume, Hip, Angle, d: D Ratio</p>
9.		<p><b>B-Mode / M-Mode Imaging:</b></p> <ul style="list-style-type: none"> <li>• The system shall provide the user with controls for single touch optimizing resolution in B-Mode.</li> <li>• The system shall display at a maximum depth of 35 cm, and a minimum of 1.5 cm.</li> <li>• The system shall provide a timeline Cine function with 20 seconds of 2D image review and 16 seconds of PW and M Mode Cine review</li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• Sector width reduction in 2D mode for increase in frame rates and extreme sharp images</li> <li>• The system shall have the ability to enhance tissue margins and improve contrast resolution by reducing artifacts and improving visualization of texture patterns within the image. It should have features and algorithms to produce clearer images at deeper depths</li> <li>• Tissue differentiation shall be of highest quality while using in MSK application</li> <li>• The system shall provide the user with a 8X zoom function that increases the region of interest, without affecting the quality of the image.</li> <li>• The system shall provide the user with the ability to flip the image horizontally and vertically.</li> <li>• The system shall provide a dual multi-image function on a single monitor with the ability to individually scan the images on each side.</li> <li>• System should have dual color images for color compare</li> <li>• The system shall provide a dual multi-image display function with all transducers that positions the two displays alongside each other in a seamless fashion for ease of visualizing an extended field of view from two separate scan positions.</li> <li>• Display Format for Duplex Imaging: 1/3 and 2/3, ½ and ½, 2/3 and 1/3, side by side, up down and full screen duplex</li> </ul>
10.		<p><b>Color and CPD</b></p> <ul style="list-style-type: none"> <li>• The system shall include a non-directional color power mode (CPD – Power Angio).</li> <li>• The system shall provide velocity color Doppler.</li> <li>• The system shall provide a user controlled mechanism to easily control the size and position of the Color/CPD Region of Interest (ROI) including independent control of its height and width thru multi-gesture control from the touch screen.</li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• The system shall provide the user with controls for optimizing resolution in Color modes.</li> <li>• The system shall provide the user with a scale control that varies the scale range in color.</li> <li>• The system shall provide the user with at least three-user selectable wall filter options.</li> <li>• The system shall have velocity color flow imaging, providing the clinician with the color sensitivity to perform color Doppler examinations with all transducers during a clinical procedure.</li> </ul> <p><b>Doppler</b></p> <ul style="list-style-type: none"> <li>• The system shall provide Pulsed Wave (PW) Doppler mode.</li> <li>• The system shall provide Tissue Doppler Pulsed Wave Doppler (TDI PW) Mode.</li> <li>• The system shall provide Continuous Wave (CW) Doppler Mode.</li> <li>• The system shall support quantitative assessment of blood flow with Duplex imaging.</li> <li>• The system shall have at least 256 gray levels in the spectral display.</li> <li>• The system shall provide the user with control during timeline replay to review the spectrum.</li> <li>• The system shall provide the user with a scale control that varies the scale range.</li> <li>• The system shall provide the user with at least three-user selectable wall filter options.</li> </ul>
11.		<p><b>Transducers</b></p> <ul style="list-style-type: none"> <li>• The transducers shall operate at frequencies from a minimum of at least 1.0 MHz to a maximum of at least 15.0 MHz. Transducers shall have biopsy guide capability when applicable.</li> <li>• 1.0-5.0MHz, Broadband Phased array adult cardiology transducer with Scanning Depth up to 35cm. Applications: 2D TRANS-THORACIC ECHO CARDIOGRAPHY, TCD (TRANS CRANIAL DOPPLER), LUNG ULTRASOUND, ORBITAL, ABDOMEN, etc.</li> </ul>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<ul style="list-style-type: none"> <li>• Convex electronic phased array transducer 2 - 6 MHz for abdominal imaging.</li> <li>• Linear transducer – 5 – 12 MHz for vascular and small part imaging.</li> <li>• 8.0-4.0MHz, Broadband Phased array pediatric and neonatal cardiology transducer with Scanning Depth up to 14 cm. Applications: 2D TRANS-THORACIC PEDIATRIC and NEONATAL ECHO CARDIOGRAPHY, PEDIATRIC ABDOMEN, NEONATAL EXAM, etc.</li> </ul>
12.		<p><b>TRAINING AND EDUCATION</b></p> <ul style="list-style-type: none"> <li>• The system should have on board (in-built) training and self teaching tool through 3D animation with audio and visual guidance to facilitate the following:-</li> <li>• Demonstrate sono anatomy of different nerves and vascular structure</li> <li>• Provide knowledge of access insertion point, angulation of needle, and probe placement techniques</li> </ul> <p>i) Ability to scan and practice while simultaneously viewing tutorials</p> <p>ii) Should possess basics of knobology and ICU, EMED procedure training visual guides as a Self Teaching Tool.</p>

**Schedule-B****Tender For Ultrasound cum ECHO Machine (1Nos.)**

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
A	Ultrasound cum ECHO Machine	<ol style="list-style-type: none"> <li>1. Easy portability, compact unit</li> <li>2. Weight less than 5 kg (excluding stand)</li> <li>3. Has 2D, B mode, M mode, Doppler, color, PW, CW, ECG Module</li> <li>4. Has neonatal echo, brain ultrasound and abdominal ultrasound packages with dedicated probes</li> <li>5. Echo probe footprint size appropriate for small neonates including those less than 1 kg</li> <li>6. Able to store still and video images in common file format such as JPEG, MPEG with hard disc of at least 150 GB</li> <li>7. Incorporated with software and hardware functionality to wired and wireless transfer and post-examination quantitative study of all types of raw data on other window, Mac or Linux based systems</li> <li>8. Advanced image optimization techniques for high quality imaging</li> <li>9. 13- 15 inch high resolution LCD</li> <li>10. Extremely high frame rates, enhanced color flow and color angio</li> <li>11. Integrated soft ware package for image data review, analysis, patient archive and reporting capabilities.</li> <li>12. CD/DVD writer, USB flash cards and high quality color printer</li> <li>13. Battery backup for at least 1 hour</li> <li>14. Probes <ol style="list-style-type: none"> <li>a. Wide-band multi-frequency phased array probe with bandwidth between 2.7 and 8.0 MHz</li> <li>b. Wide-band multi-frequency phased array probe with bandwidth between 5.0 and 11.5 MHz for neonatal echo</li> <li>c. Wide-band, multi-frequency micro convex array probe with bandwidth between 4.7 and 11 MHz for neonatal head and abdominal examination</li> </ol> </li> <li>15. Provided with high quality, compact stand with lockable wheels</li> <li>16. FDA &amp; CE certified</li> </ol>

**Schedule-C****Portable Ultrasound Scanner with Doppler Function (01Nos)**

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
A	Portable Ultrasound and Color Doppler unit	<p><b>Specifications :</b></p> <ol style="list-style-type: none"> <li>1. Fully digital portable ultrasound machine with provision for Doppler examinations.</li> <li>2. The unit should have a laptop type console design. The unit should be compact, lightweight and portable. Weight should not exceed 7kg including battery (excluding cart and accessories).</li> <li>3. It should be suitable for abdominal, small parts and vascular applications in adults and pediatric patient. Multiple preloaded as well as user configurable application presets should be available.</li> <li>4. Minimum grey scale resolutions to be 256 with 1024 or more digital processing channels.</li> <li>5. Maximum scanning depth to be 30 cm or more.</li> <li>6. The system to have a dynamic range of 165 decibels or more.</li> <li>7. The system should support Convex and Linear probes.</li> <li>8. Transducers (one each): <ol style="list-style-type: none"> <li>(1) Convex electronic phased array transducer:2-6 MHz for abdominal imaging.</li> <li>(2) Linear transducer: 5-12 MHz for vascular and small part imaging.</li> </ol> </li> <li>9. All transducers should be lightweight digital phased array broadband type transducers with at least 1024 elements.</li> <li>10. The system should have a frame rate of at least 600 frames per seconds (fps) in B mode and more than 300 fps in /Colour mode.</li> <li>11. The system should have an ergonomic full alphanumeric soft keys keyboards with easy access scans control and trackball. Provision for attaching an external keyboard and mouse should be present.</li> <li>12. The System must have integrated high-resolution TFT/LCD/Single monitor of 15 Includes or more.</li> <li>13. The Systems should have cine loop review facility of not less than</li> </ol>



Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<p>60 sec/1000 frames.</p> <p>14. System should have 120 GB or higher capacity internal HDD.</p> <p>15. The system should have the facility of digital storage and retrieval of B/W and color image data on built in CD/DVD Drive. Provision for USB port and LAN transfer of data should also be present.</p> <p>16. Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler and Power (energy) Doppler should be available.</p> <p>17. Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.</p> <p>18. Controls for Colour Doppler: PRF, colour gain, position and size of ROI , steering of ROI, colour maps and colour invert.</p> <p>19. Controls for pushed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert duplex on/off.</p> <p>20. Measurements for 2D mode: Multiple distances, area and volume.</p> <p>21. Measurement for Doppler modes: Stenosis quantification in area percentage, Diameter, PSV, EDV, means, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.</p> <p>22. Facility for storage on CDR should be possible.</p> <p>23. Unit should function with 200-240 V, 50 Hz AC, 5 amp power outlet power requirement to be specified</p> <p>24. In built battery backup should be at least one hour or more.</p> <p>25. Essential accessories: Black &amp; White Thermal printer and color laser printer, UPS, mobile cart with transducer holder, jelly bottle holder and space for printer.</p> <p>26. Paper and cartridges for 1000 image printouts should be provided with the unit.</p> <p>27. The unit offered must be sturdy and should be able to withstand accidental hits and falls during transportation.</p> <p>28. The unit offered in the tender will require technical demonstration.</p> <p>29. Photocopy of purchase orders along with terms and conditions of contract received from twenty Govt. /Public Sector</p>

Sr. No.	Name of Equipment	Specifications Required for the Equipment to be purchased
		<p>institution/private teaching collage of repute in the last two years for supply of the offered equipment must be enclosed with the price bid.</p> <p>30. Price of the main unit and accessories to be quoted separately.</p> <p>31. Warranty: The unit transducers and all accessories should be covered with comprehensive onsite warranty for five (5) years commencing from the date of issue of installation certificate.</p> <p>32. Rates for comprehensive maintenance contract CMC (including all spared and labour) for 5 years, after expiry of warranty period, must be quoted separately.</p> <p>33. Photocopy of purchase order along with terms and conditions of contract received from any Govt. /Public Sector institution/Private teaching collage of repute in the last two years for supply of the offered equipments must be enclosed with the price bid.</p> <p>34. Company should have an established Registered Service Centre with address and phone numbers at Delhi/Rajasthan. Company should give undertaking regarding the spare availability of the quoted model for next seven years.</p> <p>35. The bidder should enclose the original product data sheet, brochure and compliance sheet, without which the bid rejected. Computer generated data sheet brochure will not be accepted. The serial number of specifications must be indicated against the relevant portion of the compliance sheet and data sheet.</p> <p>36. The unit should be United States Food and Drug Administration (FDA) and ConformityEuropeans (CE) approved.</p>

**MANUFACTURER'S / PRINCIPAL'S AUTHORIZATION FORM**  
(Clause C (12) of the tender)

To

The Administrative Officer,  
All India Institute of Medical Sciences Raipur

Dear 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,

(Name)

For and on behalf of Messrs. \_\_\_\_\_  
(Name of manufacturers)/Principal.