

**(4<sup>th</sup> Call)**

**Notice Inviting Tender for**

**"REFRIGERATED BLOOD BAG CENTRIFUGE"**

At

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

Sr. No	DME Stage	Start Date & Time
1.	NIT No.	Store/Tender/ Refrigerated _ Blood _Bag _ Centrifuge /2/2015
2.	NIT issue date	03-11-2015
3.	Pre-bid Meeting	17-11-2015 at 03:30 PM
4.	Venue	Committee Hall, 1 <sup>st</sup> floor, Medical College Building, AIIMS, Tatibandh, Raipur-492099
5.	Last Date of submission	30-11-2015 at 03:00 PM
6.	Open EMD & Technical bid	30-11-2015 at 03:30 PM
7.	Venue	Store Officer, Medical College Building, 2 <sup>nd</sup> floor, AIIMS, Tatibandh, Raipur-492099
8.	Tender document cost	₹ 2,280/- (Cost 2000/ + VAT@14% 280/ = 2,280/-)
9.	EMD Amount	₹ 60,000/- (Sixty Thousand only)



**All India Institute of Medical Sciences, Raipur  
Tatibandh, Raipur – 492099, Chhattisgarh**

Tele: 0771- 2971307, email: [store@aiimsraipur.edu.in](mailto:store@aiimsraipur.edu.in)

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

Notice Inviting Tender  
for  
**“Refrigerated Blood Bag Centrifuge”**

AIIMS, Tatibandh, Raipur

Date: 03 November, 2015

On behalf of the Director, All India Institute of Medical Sciences, Raipur tenders in sealed cover are invited under two-bid system from manufacture and their authorized dealers/ distributors for providing Refrigerated Blood Bag Centrifuge for AIIMS Raipur.

<b>Sr. No.</b>	<b>Item Description</b>	<b>Quantity</b>
1.	Refrigerated Blood Bag Centrifuge	01

The interested manufactures and their authorized dealers/ distributors are required to submit the technical and financial bid separately. The bids in Sealed Cover-I containing “Technical Bid” and Sealed Cover-II containing “Financial Bid” should be placed in a third sealed cover super scribed “Tender For Refrigerated Blood Bag Centrifuge” and should reach at the office of “The Store Officer, AIIMS, Tatibandh, Raipur (CG) - 492099, by or before on 03.00 PM on 30-11-2015 . The bid received after due date and time will not be entertained whatsoever may be the reason. The technical bids shall be opened on the same day at 03.30 PM at AIIMS, Raipur. In the event of any of the abovementioned date being declared as a holiday / closed day, the tenders will be opened on the next working day at the appointed time. The date of technical evaluation of items and opening of financial bid of technically qualified agencies will be announced later.

The tender document containing technical bid form, financial bid form, technical description/specification & terms & conditions can be downloaded from website [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in). & [www.tender.gov.in](http://www.tender.gov.in) and the tenderer shall deposit a separate Bank Demand Draft/Pay Order in favour of "AIIMS, Raipur" worth {₹ 2,000/- + ₹ 280/- (14% VAT)} **₹ 2,280/-** along with tender Document (Technical Bid) & EMD of requisite amount. 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.

Any future clarification and/or corrigendum(s) shall be communicated through Store Officer on the AIIMS, Raipur.

**Store Officer  
AIIMS, Raipur**

**TENDER DOCUMENT**

“Refrigerated Blood Bag Centrifuge”

At AIIMS, Raipur

**TECHNICAL BID**

**(In separate sealed Cover-I super scribed as “Technical Bid”)**

<b>Sr. No.</b>	<b>Description</b>	<b>Document Required</b>	<b>Document Supplied (Yes/No)</b>	<b>If yes, provide Reference page number in techno-commercial bid</b>
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		
5.	Tenderer must provide evidence of having supplied government hospital /reputed private hospital organizations in India similar nature of items of at least ₹ 6,66,700/- 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 three institutions.</li> </ul>		
6.	Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Average annual minimum turnover should not be less than ₹ 10,00,000/- value of contract amount in the last three years.	Copies of authenticated balance sheet for the past three financial years		
7.	Tenderes, if OEM must submit full details of factory /manufacturing units. If the OEM is originally incorporated in other country, please furnish such details for India also.	Relevant document		
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>Original Equipment Manufacturers (OEM) authorization letter</b>		
9.	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.	<b>Undertaking authorization letter</b>		

**Tender Enquiry No. Store/Tender/Refrigerated\_Blood\_Bag\_Centrifuge/2/2015**

<b>Sr. No.</b>	<b>Description</b>	<b>Document Required</b>	<b>Document Supplied (Yes/No)</b>	<b>If yes, provide Reference page number in techno-commercial bid</b>
10.	OEM submits ISO & European CE / US FDA Certified. Dealers participating should enclose certificate from their parent manufacturer company	Copy of Certificate		
11.	Permanent Account Number	Copy of the PAN Card		
12.	Please attach copy of last three years of Income Tax Return			
13.	VAT Registration Certificate	Copy of Certificate		
14.	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 & conditions as token of acceptance and submit as part of tender document with technical bid. <b>Otherwise your tender will be rejected.</b>		
15.	Whether original catalogue of the equipment/instruments quoted with detailed data sheet enclosed			
16.	Please submit a notarised affidavit on Indian Non judicial stamp paper of ₹ 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.			
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 ₹ 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. If you don't fulfil these criteria, your tender will be out rightly rejected			

**Tender Enquiry No. Store/Tender/Refrigerated\_Blood\_Bag\_Centrifuge/2/2015**

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<b>Sr. No.</b>	<b>Description</b>	<b>Document Required</b>	<b>Document Supplied (Yes/No)</b>	<b>If yes, provide Reference page number in techno-commercial bid</b>
18.	Details of the FDR/DD/BG/Pay Order of bid security (EMD) <b>₹ 60,000/-</b>	FDR/DD/BG/Pay Order No: Date: Payable at:		
19.	Detail of cost of Tender for <b>₹ 2,280/-</b> (downloaded from website)	DD/Pay Order No. Date: Payable at-		

**Declaration by the Tenderer:**

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Encls:

1. DD/Pay Order (if tender form is downloaded from the website of this Institute)
2. EMD amount in the form of FDR/DD/BG / Pay order
3. Terms & Conditions (each page must be signed and sealed)
4. Financial Bid

**(Signature of Tenderer with seal)**

Place:.....

Date:.....

Name:

Address :

**“Refrigerated Blood Bag Centrifuge”**

AIIMS, Raipur

**FINANCIAL BID**

(In sealed Cover-II super scribed “Financial Bid”)

<b>Sr. No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit Price in INR</b>	<b>Custom duty in INR (if applicable)</b>	<b>Taxes (if applicable) VAT / Sales Tax/etc in INR</b>	<b>Service Tax (if applicable) in INR</b>	<b>Total Unit Price (including all taxes)</b>	<b>Total price of (Unit price x Quantity)</b>
1.	Refrigerated Blood Bag Centrifuge for making Blood Components	01 Nos.						
	Warranty 5 Years							
	Total							

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 OF THE FIRM

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

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

Sr No	SME Code 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 & conditions of the contract, rules regarding purchase of Refrigerated Blood Bag Centrifuge. 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 :



“Refrigerated Blood Bag Centrifuge”

AIIMS, Raipur

**Terms & Conditions**

**Subject: - Notice Inviting Tender for Refrigerated Blood Bag Centrifuge for Blood Bank at All India Institute of Medical Sciences, Raipur.**

1. **Earnest Money:**

Earnest money of ₹ 60,000/- (**Sixty Thousand only**) by means of a Pay Order/DD/BG/FDR 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 Refrigerated Blood Bag Centrifuge Tender**" and "**Financial Bid for Refrigerated Blood Bag Centrifuge Tender**". Both Sealed Envelopes should be kept in a main/ bigger envelope superscribed as "**Refrigerated Blood Bag Centrifuge Tender for Blood Bank Department**"
- 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:**

AIIMS, 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. AIIMS, Raipur also reserves the rights to accept all the consumable material 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:**

AIIMS, 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 observer 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 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 Bank. Performance Security will valid till 60 days after completion of contractual obligations (including warranty period, if applicable) under the contract.

After completion of warranty period a fresh BG/DD/FDR of 10% of AMC cost will be submitted by the supplier for performance security against AMC validity of this new BG/DD/FDR will be 60 days beyond AMC period. After submission of new security deposit, old security deposit will be released.

9. **Delivery:**

The successful bidders should strictly adhere to the following delivery schedule, supply should be effected within **4-6 weeks** from the receipt of Purchase Order and this clause should be strictly adhere to failing Liquidated Damage will be imposed against the defaulter.

10. **Risk Purchase & Recovery of sums due:**

- Failure or delay in supply of any or all items as per Requisition / Purchase Order, Specification or Brand prescribed in the tender, shall be treated as 'non compliance' or 'breach of contract' and the order in part or full be arranged from alternative source(s) at the discretion of the hospital authority and the difference in price has to be recovered from the tenderer as mentioned elsewhere.
- The amount will be recovered from any of his subsequent / pending bills or security Deposit.
- In case the sum of the above is insufficient to cover the full amount recoverable, the contractor shall pay to the purchaser, on demand the remaining balance due.

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

**Warranty**

The tenderers must quote warranty for 5 years on the equipment 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.

**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 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 **7 days**, beyond which a penalty of **2% of machine cost** will be charged per day.

13. **Liquidated Damages :**

The time for the date of delivery/ dispatch stipulated in supply order shall be deemed to be essence of the contract and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the supply order, liquidated damages may be deducted from the **bill @ 0.5%** of contract value per week subject to maximum **@ 10%** of contract value of the delayed goods or services under the contract. The competent authority of the institute may also cancel the supply. In such a case, bid security of the supplier shall stand forfeited.

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 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, 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 stand forfeited.

17. **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.

18. **Right to call upon information regarding status of supply:**

The AIIMS, Raipur will have the right to call upon information regarding status of supply position of items at any point of time.

19. **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.

**OTHER TERMS & CONDITIONS OF THE TENDER:**

1. Rates quoted should be inclusive of all applicable taxes, packing, forwarding and postage and transportation charges at FOR AIIMS Raipur.
2. All the rates should be mention in Indian national currency (INR) only. The rates quoted in foreign currency will not be entertained in this tender enquiry & such tenders will be cancelled straightway.
3. The offer should be typed or written in Ink Pen/ Ball Pen without any correction. Offers in pencil will be cancelled. Telegraphic/ Telex/ Fax offers will not be considered and cancelled straightway.

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.

21. **Arbitration**

If any difference arises concerning this agreement, its interpretation on payment to be 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 Sole Arbitrator will be appointed by the Director, AIIMS, Raipur. 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.

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*



**Annexure-I**

**Refrigerated Blood Bag Centrifuge for making Blood components (Qty One)**

Technical Specifications Review Sheet Refrigerated Blood Bag Centrifuge for Making Blood Components

1. Design:

a) Stable, sturdy all- steel design with stainless steel rotor chamber easy to clean/ corrosion resistant paintings & provision of both drain and condense water collection,

b) Max. rcf: 4500 x g to 7000 x g

c) Max. speed: At least 4,000 rpm to 6000 rpm

d) Temperature range: - 20<sup>0</sup> to + 40<sup>0</sup> Celsius

E) Max, volume: Should be able to accommodate twelve 350ml, 450ml single, double, triple, quadruple, quintuple blood bags with SAGM bag and empty satellite bags with "In Line filter system"

2. Drive unit: a. Maintenance free induction drive

3. Operation:

a. Should have 25-40 programming of all parameters,

b. Should have digital display,

c. Noise level within 60 decibels.

4. Programme:

a) Should be tamper proof, with safety of operations as per international standards.

b) Programmable time: 0-99 minutes with a minimum resolution of one minute.

c) Lid-lock and interlock, imbalance display and cutout, steel-armored chamber, protection of overheating of rotor and compressor should conform with European CE / US-FDA certification specific for the safety issues should be submitted.

5. Protection of data: a. In event of power interruption or complete failure, data should remain stored for 2-3 weeks

6. Documentation: a. should have software which should be compatible with hospital information system of respective AllMS and /or Blood Bank software any interfacing required must be provided by the firm.
7. User-friendly handling: a. The equipment should be movable on castor wheels however it should have facility to be placed on four solid feet. There should be no need for ground fixing. Digital display should have keys for controlling for immediate access. The machine should be equipped with and automatic lid lock.
8. Digital Display and adjustment parameters should Include
  - a) Acceleration :Different acceleration profiles
  - b) Deceleration : Different deceleration profiles
  - c) RCF value : 4 digit, should be adjustable
  - d) Speed : 4 digit, should be adjustable
  - e) Centrifugal : Format should be as hour and minutes
9. Should provide electronic and hard copies of User Manual (English), Service manual (English) and Complete construction details with respect to material specification, thickness, finish etc.
10. Provide a set of equipments for providing calibration leg thermometer) and routine preventive Maintenance as per manufacturer documentation in service/technical manual. Should provide Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out. Extra set of buckets for the blood bags should be provided with the equipment, along with balancing weights.
11. Speed variation: Microprocessor controlled rotor speed within 10 rpm of set value. Acceleration and deceleration profiles shall be available.
12. Microprocessor controlled rotor temperature with 1 degree of set temperature, regardless of centrifuge speed.
13. CE/FDA/ BIS certification specific for the product should be submitted, non-submission shall amount to the rejection of the equipment from the competitive bid.

**MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM**

(Clause (9) of the tender)

To

The Store 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.