

(3rd call)

Notice Inviting Tender for

“SUPPLY / INSTALLATION OF BLOOD BANK EQUIPMENT”

At

All India Institute of Medical Sciences, Raipur

NIT No.	ADMIN/Tender/Blood Bank Equipment/3/2015
NIT Issue Date	29-04-2015
Pre bid Meeting	08-05-2015 at 03:00 PM
Last Date of Submission	22-05-2015 at 03.00 PM
Venue	Store Officer, AIIMS RAIPUR, Tatibandh, Raipur-492099
Tender Document Cost	₹ 5,700/- (Rupees Five Thousand Seven Hundred only)



All India Institute of Medical Sciences, Raipur
G.E. Road, Tatibandh, Raipur – 492099, Chhattisgarh
Tele: 0771- 2971307, email: store@aiimsraipur.edu.in
www.aiimsraipur.edu.in

TENDER NOTICE**“SUPPLY/INSTALLATION OF BLOOD BANK EQUIPMENT”
At AIIMS, Raipur**

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 Equipment for Blood Bank at AIIMS Raipur.

Schedule No	Equipment	Quantity Required	EMD
A	Autoclave	As per the Schedule	4,500/-
B	Digital Analytical Balance	As per the Schedule	2,100/-
C	Coagulometer	As per the Schedule	15,000/-
D	Quality Mixer	As per the Schedule	12,000/-
E	Platelet Incubator and Agitator	As per the Schedule	24,000/-
F	Plasma thawer water bath	As per the Schedule	6,000/-
G	Cryobath	As per the Schedule	9,000/-

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 Supply/Installation of Equipment for Blood Bank” at AIIMS Raipur and should reach at the office of “The Administrative Officer, AIIMS, Tatibandh Raipur (CG) - 492099, by or before on **03.00 PM** on 22-05-2015 . 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, as well as www.tenders.gov.in Demand Draft/Pay Order for **₹ 5700/-** (Rupees Five thousand Seven Hundred only) (**non-refundable**) in favour of “AIIMS, Raipur”, payable at Raipur, against cost of the tender document along with their technical bid in the Cover-I “Technical Bid”. The amount of bid security (EMD) for

Tender for Equipment for Blood Bank should be paid by FDR/DD/BG in favour of “AIIMS, Raipur” payable at Raipur and will be placed in cover-1 with technical bid. The Tender Documents are not transferable.

Any future clarification and/or corrigendum(s) shall be communicated through Administrative Officer on the AIIMS, Raipur website: www.aiimsraipur.edu.in, as well as www.tenders.gov.in.

**Store Officer
AIIMS, Raipur**

TENDER DOCUMENT**“SUPPLY/INSTALLATION OF BLOOD BANK EQUIPMENT”**

At AIIMS, Raipur

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

Sr. No.	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		
5.	Tenderer must provide evidence of having supplied government hospital / reputed private hospital organizations in India similar nature of items of at least 1/3 value of contract amount in the last three years.	<ul style="list-style-type: none"> • Copy of the all the Supply orders. • Satisfaction certificates (along with contact details) from at least three institutions. 		
6.	Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Average annual minimum turnover should not be less than 50% 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.	Original Equipment Manufacturers (OEM) authorization letter		
9.	A partner of the firm, if it is a partnership firm in which case			

Sr. No.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
	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 authorization letter		
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. Otherwise your tender will be rejected.		
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.			

Sr. No.	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 ₹ 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			
18.	Details of the FDR/DD/BG of bid security (EMD)	FDR/DD/BG No: Date: Payable at:		
19.	Detail of cost of Tender for ₹ 5,000/- (downloaded from website)	DD/Pay Order No. Date: Payable at-		

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.

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

Place:.....

Date:.....

(Signature of Tenderer with seal)

Name:

Address :

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.

Warranty, Service, Maintenance:

Warranty

1. The equipment price should be quoted along with full comprehensive warranty of 5 years with proper maintenance service mentioned in this document.

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 Lacs, 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 Lacs, 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.

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 Equipment for Blood Bank . 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:

“SUPPLY/INSTALLATION OF BLOOD BANK EQUIPMENT”
AIIMS, Raipur
Terms & Conditions

(A) Information and Conditions relating to Submission of Bids

1. The tender document containing eligibility criteria, scope of work, terms & conditions and draft agreement can be downloaded from website www.aiimsraipur.edu.in. as well as www.tenders.gov.in Those who download the tender document from Website should enclose a Demand Draft/Pay Order for **₹ 5700/-**(Rupees Five thousand Seven Hundred only) in favour of “AIIMS, Raipur”, payable at Raipur, not later the date of **22-05-2015** , along with their bid in the Cover-I containing “Technical Bid”.
2. The interested firms/suppliers are required to submit the Technical and Financial Bids separately in the format enclosed. The bids in sealed Cover-I containing “Technical Bid” and sealed Cover-II “Financial Bid Schedule A”, sealed Cover-III “Financial Bid Schedule B”, sealed Cover-IV “Financial Bid Schedule C”, sealed Cover-V “Financial Bid Schedule D”, sealed Cover – VI “Financial Bid Schedule E”, sealed Cover –VII “ Financial Bid Schedule F” sealed Cover – VIII “Financial Bid Schedule G” and sealed Cover – IX “financial Bid Schedule H” respectively should be placed in a separate sealed covers super scribed **“Tender for Supply/Installation of Equipment for Blood Bank”** should reach AIIMS, Raipur by or before 03.00 PM on **22-05-2015** . The Technical bids shall be opened on same day at 03.30 PM at AIIMS, Raipur in presence of the bidders or their authorized representatives who choose to remain present. The Tender received after due date & time will be rejected and no claim shall be entertained whatsoever may be the reason.
3. The bidders are required to submit their query in writing before **08-05-2015** to DDA, AIIMS Raipur, if any.
4. All the duly filled/completed pages of the tender should be given serial /page number on each page and signed by the owner of the firm or his Authorized signatory. In case the Authorized signatory signs the tenders, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected out rightly.

5. All entries in the tender form should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. No overwriting or cutting is permitted in the Technical Bid as well as Financial Bid unless authenticated by full signature of bidder. Any omission in filling the columns of Financial Bid form (Schedule of Rates) shall debar a tender from being considered. Rates should be filled up carefully by the tenderer. All Corrections in this schedule must be duly attested by full signature of the tenderers. The corrections made by using fluid and overwriting will not be accepted and tender would be rejected.
6. The bidder shall pay an amount of 4,500/- as Bid Security (EMD) for Schedule-A, amount of Rs 2,100/- as Bid Security (EMD) for Schedule-B, amount of Rs. 15,000/- as Bid Security (EMD) for Schedule – C, amount of Rs. 12,000/- as Bid Security (EMD) for Schedule –D, amount of Rs. 24,000/- as Bid Security (EMD) for Schedule-E, amount of Rs. 6,000/- as Bid Security (EMD) for Schedule-F, amount of Rs. 9,000/- as Bid Security (EMD) for Schedule-G along with the Technical Bid in the form of FDR/DD/BG in favor of “AIIMS, Raipur” drawn on any Scheduled Bank and payable at Raipur and must be valid for (6) six month. Bids received EMD shall stand rejected and thus shall not be considered for evaluation etc at any stage. The original EMD will be put in cover-I containing Technical bid.

Earnest Money deposited with AIIMS, Raipur in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.
7. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract.
8. The EMD shall be forfeited if successful bidder fails to supply the goods/equipment in stipulated time or fails to comply with any of the terms & conditions of the contract or fail to sign the contract.
9. The bid shall be valid and open for acceptance of the competent authority for a period of 180 (one hundred eighty) days from the date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained
10. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, may ask bidders individually for clarification of their bids. The request for clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.

11. After evaluation, the work shall be awarded normally to the Agency fulfilling all the conditions and who has quoted the lowest rate as per financial bid after complying with the all the Acts / provisions stated / referred to for adherence in the tender.
12. The competent authority of AIIMS, Raipur reserved all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any term and condition of the tender enquiry after due discussion in pre bid conference. This will be communicated to all tenderers in writing. AIIMS, Raipur also reserves the right to reject any bid, which in his opinion is non-responsive, or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.
13. Tender must be submitted on the prescribed Tender Form otherwise tender will be cancelled straightway.
14. Canvassing in any form is strictly prohibited and the tenderer who are found canvassing are liable to have their tenders rejected out rightly.

(B) 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. Rates should be mentioned both in figures and in words. 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.
4. The tenderer can quote for either/both of the schedules mentioned in the bid. However the tenderer should quote for all the equipment in the particular schedule. If the tenderer is quoting both the Schedules it has to include separate financial bid for each schedule in a separate envelope labeled with the respective schedule on the envelope. If all the equipment in the schedule is not quoted that bid will be out rightly rejected.

5. 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.
6. The supplier shall submit a notarized 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/Organization/reputed Private Organization or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier. If such affidavit is not submitted, tender will be out rightly rejected.,
7. If the prices of the contracted articles is/ are controlled by the Government, in no circumstances the payment will be higher than the controlled rate.
8. Tender will be regarded as constituting an offer open to acceptance in whole or in part at the discretion of the competent authority of the institute for a period of 180 days (6 months) valid from the date of opening of the tender by the committee.
9. 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% per week subject to maximum of 10% of the 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.
10. In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged.
11. In case the tenderer on whom the supply order has been placed, fails to made supplies within the delivery schedule and the purchaser has to resort risk purchase, the purchaser (AIIMS, Raipur) may recover from the tender the difference between the cost calculated on the basis of risk purchase price and that

- calculated on the basis of rates quoted by tenderer. In case of repeated failure in supplying the order goods the supply order may be cancelled and bid security deposit will be forfeited.
12. The Specification and quantity of the item needed is mentioned in Financial Bid but it is approximate detail and is subject to increase/decrease at the discretion of the competent authority of AIIMS, Raipur. The payment would be made for actual supply taken and no claim in this regard should be entertained.
13. Where the specifications are as per tenderer's range of product & tenderer's offer should mention that the item meets all specifications as per the tender enquiry and if there are improvements/deviations the same should be brought out on separate Letter Head of the firm. It would be discretion of the competent authority of the institute to accept or reject such deviations which are not in accordance with our required specifications.
14. It must be mentioned clearly whether tenderer is a manufacturer/sole distributor/sole agent for the items for which he is quoting.
- a. Manufacturer must add a certificate that item(s) is manufactured by them as per range of products
 - b. Sole Manufacturers must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organisation and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.
 - c. Authorized agents must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals in proforma given in attach duly supported by a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.
15. The Tenderers should furnish a copy of S.T./C.S.T./VAT registration number, the State / U.T. of registration and the date of such

- registration. Tenders not complying with this condition will be rejected
16. The tenderers should submit along with the tender, a Photostat copy of the last Income Tax return and copy of current valid income tax clearance certificate (IT CC) otherwise tender may be ignored
 17. In case asked, tenderer must personally supply a sample/give the demonstration of the Equipment/Instruments to the competent authority of the institute and in that case all the expenses will be borne by the supplier.
 18. Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender failing, which the tender will not be considered. The tenderer must also mention whether the goods are imported / indigenous. Descriptive literature / catalogues must be attached with the tender in original failing which tender may be ignored.
 19. Any failure or omission to carryout of the provisions of this supply by the supplier shall not give rise to any claim by supplier and purchaser one against the other, if such failure or omission arise from an act of God which shall include all acts of natural calamities from civil strikes compliance with any status and or requisitions of the Government lockout and Strikes, riots, embargoes or from any political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state of incarceration provided that notice of the occurrence of any event by either party to the other shall be within two weeks from the date of occurrence of such an event which could be attributed to force majeure.
 20. The Courts at Raipur/CG alone and no other Court will have the jurisdiction to try the matter, dispute or reference between the parties arising out of this tender/supply Order/contract.
 21. If at any time, any question, dispute or difference whatever shall arise between supplier and the institute (Purchaser) upon or in relation to or in connection with the agreement, either of the parties may give to the other notice in writing of the existence of such a question, dispute or difference and the same shall be referred to two arbitrators one to be nominated by the institute (Purchaser) and the other to be nominated by the supplier. Such a notice of the existence of any question dispute or difference in connection with the agreement shall be served by either party within 60 days of

the beginning of such dispute failing which all Right and claims under this Agreement shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the arbitrators shall appoint/nominate an umpire. In the event of the arbitrators not agreeing in their award the Umpire Appointed by them shall enter upon the reference and his award shall be binding on the Parties. The venue of the arbitration shall be at Raipur, (Chhattisgarh, India). The arbitrators/Umpire shall give reasoned award.

22. The supplier should mention the compliance to the specification in the technical bid of the tender document failing this, the bid document will be disqualified.
23. Supply of equipment, goods and services should be completed within 6 weeks from the date of supply order otherwise liquidated damage at the rate of 0.5% per week will be imposed. Purchaser will place order by fax &/or e-mail &/or speed post.
24. The Bidder shall provide onsite warranty/guarantee of the equipment for the period of **five years from the date of installation**. Warranty will cover services, repairs, maintenance, and replacement of spare parts, broken / damaged / worn out spare parts and other services free of cost during the whole warranty period of five years. The warranty shall also include "on call service" which should not exceed **24 hours from the time of lodging of complaint through e-mail**.
25. **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.
26. **Performance Security:**
 1. The successful tenderer will be required to furnish a Performance Security Deposit of 10% of purchase Order value 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.

2. Performance Security will be discharged 60 days after completion of contractual obligations (including warranty & AMC/CMC period **if applicable**) under the contract.

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

(Signature & Stamp of the bidder)

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

LIST OF EQUIPMENTS

SCHEDULE – A AUTOCLAVE (Qty- one)

- Chamber dimension 550x750 mm (Diameter x Height). Basket Dimension 525 x 600 (Diameter x Height). Capacity 100 Lts.
- Vertical Jacketed autoclave.
- Pressure range 5-40
- Joint less gasket
- Additional accessory to be quoted separately.
- Gasket 2 in number.
- Heating coil 2 in number.
- Stainless steel chamber 4
- Stainless steel tray 2.
- Touch screen panel LED/LCD, digital temperature and pressure display.
- Should meet the requirements of ASME Boiler and Pressure Vessel Code.
- Sterility assurance consumables products and Compatible validation process. For two years included in the quotation. Bowle Dick Test Packs=100 no's; Biological Indicators=500 no's, Chemical Indicators TST Emulating; Biological Indicator activator and Incubator Machine with each unit.
- Having nickel clad steel two manual/sliding doors with Grade 316 stainless steel, with St. steel hinges and warranted long life with non-lubricated steam activated door seal (gasket).
- Having pre-programmed operational parameters which can be set for specific applications by the user and having emergency manual exhaust valve.
- Having electronic water saving control – condensing the exhaust chamber steam with excellent drain system designed to prevent pollutants to enter water supply & sterilizer
- All interrupts and failures must be indicated through audiovisual alarms and recoding of event.
- Provide for operator and system safety.
- Sterilization Temperature ranges 121°C, 132°C to 134°C, pressure 15 psi to 60 psi. Should have Thermostat.
- Microprocessor controlled steam under pressure. Inbuilt vacuum pump and steam generator providing quality steam i.e. condensate free, 97 to 100% saturated vapour complete with piping; valves and pressure relief. Automatic Water filling and its level indicator. Automatic steam release after sterilization. Safety valve testing.

- 7” Multi-color touch screen panel. LED/LCD control/ display with battery backup and digital thermal printer as standard for record keeping with storage capacity of minimum 200 cycles in built-in memory. Cycle time adjustable and not be more than 60 minutes.
- The touch screen panel should include various pressure and temperature display gauges for depiction of actual pressure/ temperature in chamber, jacket and on gasket.
- Autoclave should be able to perform Bowie and Dick test and vacuum leak test.
- Equipped with 121 degree pre-vacuum; 134degree Flash/Express cycles , 134 degree Pre-vacuum and additionally 121degree Gravity cycle for wrapped goods.
- Auto-venting system expels air and unsaturated steam from chamber to get effective steam pressure, Furthermore, an air filter of 99.9% performing efficiency to prevent contaminated air from entering into the chamber. Automatic cycling and drying and indicating completion both, visually and audibly.
- A cycle cannot start if the door is open or not properly locked.
- The door cannot unlock until chamber pressure reaches room pressure.
- Sliding Door Safety - The sliding door progress should automatically stop if an obstruction is detected.
- Double Door Safety – interlocks prevent both doors from being opened simultaneously.
- Advanced operation features should include a multipurpose valve that can function as a backup in case of power failure, or an automatic shutdown or restart feature that economizes on energy.
- Clean steam options include: clean steam generator, stainless steel piping, components and fittings, and high grade stainless steel chamber.
- Accessories must include Loading Carts and Transfer Carriages. The adjustable loading cart rolls from the transfer carriage onto the interior chamber tracks for easy handling of heavy loads. The trolley should be equipped with revolving wheels, wheel brakes and carriage lock.
- Should meet AAMI/US-FDA/EN-285 AND ASME Pressure Vessel/UL/ European CSA/CE standard
- Multiple access levels and user passwords to control access/operation of the autoclave.
- Power input 220-240v Ac; European CE certified.
- The manufacturing firm should have spares availability in India and must have own trained service engineers based in India.

- Diagnostic In/Out test (enables technician to check each system component separately).
- Documentation Package. A full documentation package include: Installation Qualification (IQ), Operation Qualification (OQ), Performance Qualification (PQ).

SCHEDULE – B DIGITAL ANALYTIC BALANCE (Qty- two)

- Readability- 0.001 gm
- Capacity- upto 1500gm
- Repeatability(Standard Deviation)- \leq 0.1mg or 0.01gm
- Pan size – 170 X 190 mm
- Power connection- 220/230 volt AC / 12V, 1A
- Calibration – Internal
- Linearity- \pm 0.2 mg
- Response time- Approx. 3.0 seconds
- Operating Ambient Temperature- 5-40^oC (20-85%)
- Temperature Coefficient Sensitivity(ppm/C)- \pm 2ppm/^oC(no condensation)
- Main Body Dimensions(mm) approx.- 213(W) X 356 (D) X 338 (H)
- Weight(kg) approx.- 6.0 to 6.2
- CE/FDA certification.
- Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock. Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

SCHEDULE –C COAGULOMETER (Qty-one)

- Coagulometer measures the blood clotting parameters.
- Should be microcomputer controlled.
- Semi-automatic with at least 4 channels optics.
- Based on optical principle with LED.
- Should have integrated / external incubation block with pre - warming positions.
- Suitable for PT, a-PTT, fibrinogen, thrombin time, factors: II, V, VII, VIII, IX, X, XI, XII, Fletcher, AT-III, Protein C, Protein S.
- Results can be represented in seconds, %activity, ratio, INR g/L and mg/L.
- Should be able to store specific test parameters in the system.
- Should have LCD display.
- Complete system with printer or facility for printer connectivity is required. Interface for laboratory information system (ILS)
- Should generate the standard curve for factor assays.
- Power input to be 220-240VAC, 50Hz fitted with Indian plug.
- Suitable UPS with maintenance free batteries for minimum 30 minutes back-up should be supplied with the system.
- Open system for reagent and low reagent consumption.
- The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%.
- The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90%.
- User/Technical/Maintenance manuals to be supplied in English.
- Certificate of calibration and inspection.
- List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
- Reagents for validation, training up to installation to be provided free of cost by manufacturer, one start up kit for a minimum of 100 tests each of PT, APTT, Fibrinogen, Factor VIII to be demonstrated and supplied.
- Certifications:
Product certification: CE Class II A or US PDA certified
- Quality Certification: ISO certified

- Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (Class I)

SCHEDULE – D Quality Mixer (Qty- One)

1. Should be an automated tube stripper and mixer to simplify and standardize stripping and mixing of blood in the tubing with the blood in the bag for the preparation of good quality components and elimination of micro clots in the blood bag tube.
2. The stripping and mixing cycles should be adjustable from 3-10 for flexibility of usage in the bleeding room or for quality control.

Dimension- (270-295) L x (240-260) W x 150H mm

Max. Weight- 5 kg approx.

Power supply- 230V AC, battery supported

3. Power: lithium-ion rechargeable battery. Up to 220 draws on one battery charge
4. Certification:
 - CE Class II A or US FDA certified, WHO-GMP; ISTM;CE;SGS UKAS;ISO 13845
 - Electrical safety: Equipment meets electrical safety specifications such as that of IEC (ClassI)

SCHEDULE – E Platelet Incubator and Agitator (Qty- One)

- 1 Platelet incubator should have the provision to store 96-platelet bags of regular size.
- 2: should have transparent outer door for clear visibility.
3. Should have micro processor controlled LCD display temperature graph display.
4. Should have automated high/low alarm with alarm testing.
5. Should have independent temperature controller.
6. should have 7 days inkless chart recorder and Data logger provided with battery back up to one hour for continuous operation during power failure , should be supply with USB port.
7. The firm will have to supply 300 temperature recorder chart papers and 10 ink pens (if the temperature recorder is not inkless) along with the equipment free of cost.

8. Should be able to maintain a temperature of 22'C with ± 1 degree variation.
9. Should have digital temperature indicator cum controller
10. Should have forced air circulation for uniformity of temperature all over the incubator.
11. Inner chamber should be made of stain less steel and outer cabinet made of MS sheet powder coated. Platelet Agitator
12. Should be able to store minimum 96 random bags or aphaeresis bags of different sizes with gentle side-to-side agitation at 3.6 to 4cm, motion of 60-70 strokes per minute.
13. Graphical display of agitation speed of the agitator. Shelves:
14. Should be made of good quality.
15. Coated with bacteria resistant material.
16. perforated so that air circulation on both side of bags
17. Should be made of 'non slip'. Material
18. Removable shelves.
19. Should have noiseless heavy-duty ball bearing gear motor, which should continuously operate for 24 hours.
20. Should have built in motion alarm for unplanned ceased agitation.
21. Should be USFDA approved or European CE for the quoted model.
22. Firm will have to supply the stabilizer it required along with the equipment free of Cost
23. Original literature of equipment should be submitted.
24. User's list should be attached with satisfactory report for the last three years from three Licensed blood banks with contact details.
25. Demonstration of equipment is must
26. Electrical: The -equipment should be able to run on the existing electrical provision.
27. Suitable UPS with 30 min back up has to be provided.

SCHEDULE – F Plasma thawer water bath(Qty- One)

1. Bath is designed to safely quickly & optimally and reliably thaw fresh frozen plasma (FFP) & cryoprecipitate for the recovery of coagulation and cryoprecipitate antihemophilic Factor (AHF). For thawing of plasma and cryoprecipitate.
2. Capacity of minimum 10-15 plasma bags with rack holders
- 3 Table top with top opening
4. Internal body material: stainless steel (non corrosive, non magnetic)
5. Having a deep thawing chamber with a stirrer & with water maintained at +37°C with pumping mechanism & in-line heating system to ensure uniform thawing.
6. Quick thawing (<20 min)
7. Should be able to thaw 48 plasma bags (FFP ,/Cryoprecipitate/ Apheresis or plasma bags of any size)
8. Should be a water bath based operating at a present & precise temperature of 37° ±0.2°C
9. Should have two separate basket assemblies with built in fingers for securely holding the plasma bags of all sizes.
10. Trays with individual compartment to ensure that ports of bags may be kept above water level during the procedure.
11. Tray: removable type stainless steel trays with partitions for holding plasma bags.
12. Should give an alarm when plasma bags are thawed
- 13.Provision for programmable time setting for length of thawing.
- 14, Should have digital timer clearly displaying the programmed set time or remaining cycle in minutes.
15. Should have audio visual over temperature alarm system.
16. Should have a system to drain the chamber easily.
- 17 Power supply : 220-240V at 50Hz , single phase.
18. Drain line with shut off valve can be connected
19. Should be supplied with a cover to keep the unit covered when not in use.
20. Simple to operate easy to read LED display.
21. CE/FDA certified.

SCHEDULE – G Cryobath (Qty- One)

1: Uniform thawing of plasma bags at preset temperature of 4 degree+- 0.2 degree C.

2: High capacity pumps to facilitate optimum and uniform thawing of plasma.

3: Capacity 12-18 bags per run or per one cycle.

4: System to prevent contamination of individual ports during thawing.

5. Microprocessor based controller for precise monitoring and controlling of temperature at 4degreeC+- 0.2degreeC.

(a) Programmable temperature range :2^o Celsius to 60^o Celsius.

6. Other requirements:

(a) Input power supply: 230+10%V,50 Hz,15 A single phase AC.

(b) Power consumption: Maximum 1600W.

(c) Operating temperature:3.5-4.5 degree C.

(d) Programmable temp, range :3 degreeC-4.5degreeC

(e) Display resolution:0.1degree C

(f) Temp controller: Microprocessor based digital controller.

(g)Stainless steel tank of 22 G and stainless steel lid of at least 20 gauge.

(h) Time taken for one

Process: Not more than two hours for plasma bags store at -40 degree C.

(i) Tray: Stainless steel, removable tray of individual components for holding of plasma bags.

(j) External dimension (WxDxH): should be less than 850x500x800mm (+- 10%)

(k) Caster wheels: Mounted on lockable caster wheels.

(l) Temp: Sensing method: sealed sensor dipped directly in the water.

(m) Weight: less than 70 Kg.

(n) Drain line with shut off valve can be connected to existing plumbing.

7. Certification:

Product certification: CE Class II A or US FDA

Quality Certification: ISO certified

MANUFACTURER'S / PRINCIPAL'S AUTHORIZATION FORM
(Clause 11 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.