Tender

For

Department of Transfusion Medicine and Blood Bank

At

All India Institute of Medical Sciences, Jodhpur

NIT Issue Date	**:**	**September 09, 2013**
Pre-Bid Meeting	**:**	**September 24, 2013 at 04:00 PM.**
Last Date of Submission	**:**	**October 04, 2013 at 03:00 PM.**

All India Institute of Medical Sciences, Jodhpur
Basni Phase - II, Jodhpur, Rajasthan-342005.
Telephone: 0291- 2740532, email: aoadmin@aiimsjodhpur.edu.in
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All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, 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 items at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

ANNEXURE 'A'

S.No	NIT No.	Qty	EMD (in Rs.)	Item Description
1.	Admin/General/254/2013-AIIMS.JDH	01	42,000	Refrigerated blood component centrifuge
2.	Admin/General/255/2013-AIIMS.JDH	01	12,000	ELISA reader and Washer
3.	Admin/General/256/2013-AIIMS.JDH	01	3,000	Blood Collection Monitor
4.	Admin/General/257/2013-AIIMS.JDH	01	48,000	Blood Cell Separator /Aphaeresis machine

(Refer Specifications Details as per Annexure-'B')

Quotation should be sealed and superscribed with tender number and address to:

"Administrative Officer
All India Institute of Medical Sciences, Jodhpur
Basni, Phase-II
Jodhpur-342005, Rajasthan".

The sealed quotations should reach the Institute, latest by October 04 at 03:00 PM and it will be opened on same day at 04:30 PM in the Project Cell, Residential Complex, AIIMS, Jodhpur of the Institute in the presence of the bidder(s) or their authorized representative(s), who will present at the scheduled date and time.

Terms & Conditions:

1. **Earnest Money Deposit:** The bidder shall be required to submit refundable amount as Earnest Money Deposit (EMD) and a non-refundable tender fee for an amount of **1,000/-(Rupees One Thousand only)** for each NIT by way of demand drafts only as mentioned in Annexure 'A'. The demand drafts shall be drawn in favour of **"All India Institute of Medical Sciences, Jodhpur"**. The demand drafts for earnest money deposit must be enclosed in the envelope containing the technical bid.

   The EMD of the successful bidder shall be returned after the successful completion of contract / order and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts of EMD shall be liable for rejection.

   The firms who are registered with National Small Industries Corporation (NSIC) / OR Small Scale Industrial (SSI) are exempted to submit the EMD (Copy of registration must be provided alongwith).

2. **Rate:** Rates should be quoted in Indian Rupees (INR) on DOOR Delivery Basis at AIIMS, Jodhpur, Rajasthan, Inclusive of all the Charges, with break-ups as:
    - Basic Cost.
    - VAT /CST as applicable.
    - Total Cost (F.O.R at AIIMS Jodhpur).
3. **Validity:** The quoted rates must be valid for a period for 120 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.

    In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

4. **Delivery & Installation**: The items shall be delivered within 30 days of issue of supply order at AIIMS, Jodhpur. Satisfactory installation / commissioning and handover of the items will be completed within two weeks from the date of receipt of the goods at the AIIMS, Jodhpur premises. The successful tenderer will also provide required training for supplied items at AIIMS-Jodhpur.

    The goods should be manufactured after adoption of latest technology.

5. **Sample:** AIIMS Jodhpur reserves the right to ask the tenderers for submitting the sample of each item for which rates have been quoted, Technically Qualified Bidders may be asked to submit samples along with their quoted items nos. and their firm name without indicating any prices before opening of Financial Bid to AIIMS, Jodhpur for Inspection.

6. **Guarantee / Warrantee Period: For the equipment value upto Rs. 5 Lakh:** The Tenderers must quote for 2 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 3 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.
    CMC Charges will be payable separately at the time of start of CMC.

7. **Guarantee / Warrantee Period: For the equipment value above Rs. 5 Lakh:** The Tenderers must quote for 5 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

8. **Performance Security:** The supplier shall require to submit the performance security in the form of irrevocable Bank Guarantee (BG) / or Fixed Deposit Receipt (FDR) issued by any Nationalised Bank for an amount of which is equal to the 10% of the order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation including CMC period.

9. **Payment Term:**
    - 90% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the test report.
    - Balance 10% of the order value shall be released after the submission of the performance security.

10. Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.

11. Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.

12. After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer.

13. Conditional bid will be treated as unresponsive and it may be rejected.

14. The Institute reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reasons or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).

15. **Quantity:** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.

16. **Applicable Law:**
    - The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.

    - Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.

    - The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the partied.
    - Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

"PRE –BID Meeting" with the intending bidders shall be held on 24th Sep 2013 from 04:00 P.M. onwards at AIIMS, Jodhpur.

Specifications

Annexure B

S.No	Tender Name	Specifications	Qty

1.	**Refrigerated blood component centrifuge**	• Purpose:
		  ○ Large volume floor standing refrigerated centrifuge for separation of components from whole blood.
		• Design and operation:
		  ○ Stable, sturdy all-steel design with stainless steel rotor chamber, should be easy to clean corrosion resistant paintings
		  ○ provision of both drain and condensed water collection container
		  ○ Microprocessor controlled
		  ○ Programmable memory with temper proof program saving facility, with parallel saving of at least 30 programs
		  ○ CFC free refrigerant.
		  ○ Various formats of Swing-out rotors with metal buckets and with and without wind shields that should be able to accommodate at least the following:
		  • twelve 350ml and/or 450ml single, double, triple, quadruple/quintuple blood bags with SAGM bag and empty satellite bags with In Line filter system
		  ○ Removable plastic adapters to hold single/ double/ triple/ quadruple blood bags with partition in every bucket.
		  ○ Insert with hook adapter to spin buffy coat or small volume of blood and balancing weights for inserts.
		  ○ Automatic lid lock.
		• Speed and force:
		  ○ Maximum speed at least 4,000 rpm to 4500 rpm
		  ○ Maximum RCF (Relative Centrifugal force) for blood bags: 6000g-65000g.
		  ○ Acceleration and deceleration profiles should be independently adjustable with at least nine brake levels and option for free coasting.
		• Speed variation: microprocessor controlled rotor speed to within 10 rpm of set value.
		• Temperature control
		  ○ Range at least: -20°C to +40°C.
		  ○ Adjustable in 1°C intervals
		  ○ Microprocessor controlled rotor temperature within 1°C of set temperature regardless of centrifuge speed.
		• Programmable centrifugation time: 0min-99hr with minimum resolution of 1 minute.
		• Digital display (real time and set target) of temperature, speed and time with minimum no. of 3 digit resolution.
		• Should incorporate alarms for imbalance detection, lid interlock, over temperature, rotor over speed.
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		• Motor imbalance detection: automatic shutdown of centrifuge if rotor load is out of balance with appropriate indicator.
		• Power requirement: 220/240 volts, 50 Hz. Single phase AC supply.
		• The equipment shall be suitable for operation from 0 to 40°C at 90% relative humidity. Electronic circuitry shall be tropicalised for this ambient condition.
		• Noise level within 60 decibels.
		• The equipment should come with customized castor for changing location.
		• Protection of data: in event of power interruption or complete failure, data should remain stored indefinitely.
		• Should have a provision for external connectivity.
		• It shall have a security lock to prevent unintentional switch off and also unauthorized opening of the equipment.
		• At least 3 year warranty period with 5 years CMC after expiry of warranty period.
		• Automatic line voltage corrector/ voltage stabilizer:
		• A line voltage corrector of appropriate rating (10 KVA or as per the requirement of equipment) should form part of standard configuration.
		• Copper wound single phase automatic line voltage corrector conforming to IS: 9815(PLI)/94 with latest amendments or equivalent international standards fitted with a voltmeter and switch to indicate output/ input voltage.
		• Input voltage: 140-280 V,50 Hz, output voltage: 220 V ±10%.
		• Input output voltmeter and amperemeter. Protection for high low voltage cut off, overload and short circuit protection.
		• Equipment should be supplied with 2 meter cord at input and fitted with plugs of appropriate rating.
		• Make of the line voltage corrector shall be indicated.
		• Certifications:
		  ○ Product certification: European CE Class II A and US FDA certified.
		  ○ Quality certification: ISO13485.
		  ○ Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I)
		• Additional requirements:
		• All equipment should specify qualifications for design, installation, operation and performance.
		• Validation and calibration reports should have traceability to applicable national and international standards
		• Complete with comprehensive set of spare parts and accessories including: Double pan balance, Balancing weights and plates, plastic inserts and spacers and hooks for adjusting to different types and sizes of bag/tubing/filter designs, and a suitable capacity voltage stabilizer and a suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied free of cost with the system.
		• Warranty for 5 years and CMC/AMC for 5 years with spare parts availability.	

		• The make, rating, model, description, specifications, price quantity of each item should be furnished separately. • Necessary catalogues, technical write up in English, should be attached with the offer both in hard and electronic copies. • Performance, efficiency, other factors as applicable should be furnished. • Demonstration and continued comprehensive training for lab staff and support services till familiarity with the system. • 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. • Should provide a set of equipments for calibration (eg tachometer) 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.	
2.	**ELISA reader and Washer**	1. Should have reading capability of 1 to 96 wells individually. 2. Should have a linear measurement range of 0 to 3.000Abs. 3. Should have wavelength range from 340 to 750nm. 4. Should have a photometric accuracy of ± 2% or better. 5. Should have a resolution of 0.001Abs. 6. Should have variable speed plate shaking capability. 7. Should have easy access 8 position filter wheel 8. Machine should be supplied with 6 standard filters. 9. Should have automatic filter selection. 10. Should have automatic calibration before each reading. 11. Should have at least 6 second reading speed. 12. Should have facility for storage of calibration curves. 13. Should have different types of blanking facility like air wise and well wise. 14. Should be capable of reading U.V and flat type wells 15. Should be capable of reading 8 or 12 well strip plates. 16. Should use halogen light source and two spare bulbs should be provided. 17. Should have internal thermal printer and 5 rolls of thermal should be supplied along with the unit. 18. Should have external printer connectivity option. 19. Firm will have to supply compatible UPS with minimum half hr backup along with the equipment free of cost. 20. Original literature of equipment and consumables should be submitted. 21. User's list should be attached with satisfactory report for the last three years from three blood bank users with contact details. 22. Demonstration of performance of equipment is compulsory in nearby area for technical evaluation failing to which will be a disqualification. 23. Centrifuge should be FDA approved or European CE	01

		24. Electrical: The equipment should be able to run on the existing electrical provision B) **ELISA Plate Washer** 1. Should have capability to wash flat, U or V bottomed micro plates or 8 or 12 well strip plates. 2. Should have 8 or 12 way manifold. 3. Should have 25 wash program memory or more. 4. Should have programmable washing time, volume and soaking time. 5. Should have minimum 6 wash cycles. 6. Should have continuous operating cycle. 7. Should have residual volume less than 2µl. 8. Should have removable and autoclavable plate carrier. 9. Should have in-built vacuum and dispensing pumps to ensure accurate and quite washing. 10. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment 11. Should work with input 200 to 240Vac 50 Hz supply. 12. Should have safety certificate from a competent authority European CE / FDA (US) / STQC CB 13. Certificate / STQC S/IEC EN 61010-1 certificate or valid detailed electrical and functional safety test. 14. Report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid. 15. Firm will have to supply compatible UPS with minimum half hr backup along with the equipment free of cost. 16. Original literature of equipment and consumables should be submitted. 17. User's list should be attached with satisfactory report for the last three years from three blood bank users with contact details. 18. Demonstration of performance of equipment is compulsory in nearby area for technical evaluation failing to which will be a disqualification. 19. Electrical: The equipment should be able to run on the existing electrical provision	
3.	**Blood Collection Monitor**	1. Should have facility to preset total volume of blood to be collected and accordingly monitor and display amount collected. It should have facility to clamp to stop the collection of blood as soon as preset volume is collected and not allow over collection. 2. Battery backup should be > 8 hours with continuous work load(rechargeable battery) 3. Battery charger should be inbuilt 4. Should be portable (Suitable for outdoor blood donation camps). 5. Should have standby / park mode 6. Should be able to operate at 10-50ºC 7. There should be digital display of preset volume, rate of collection and total time taken at the end of collection. 8. Oscillation: 12 ± 2 rpm 9. Should mix the blood with anti – coagulant solution during collection and ensure that only correct amount of blood is	01

		collected 10. There Should be Visual display and audible alarm: (i) when flow rate goes below 20 ml /min or high flow rate above 180 ml / min (ii) at the end of collection (iii) when battery low (iv) during pause function (v) any abnormal condition 11. European CE class 2A/US FDA certification specific for the product should be submitted 12. Every Bio-mixer should be provided with carry box with handle 13. Original literature should be submitted 14. Firm should supply the relevant calibration certificate for the equipment from NABL accredited Lab. 15. User's list should be provided with satisfactory report for the last three years from three Licensed Blood Banks with contact details. 16. Original literature of equipment should be submitted. 17. Electrical: The equipment should be able to run on the existing electrical provision. 18. Suitable Automatic Voltage regulator/stabilizer meeting ISI specifications should be supplied. Broad specifications are: Automatic Type Input 150-280V, Output 220 V +/- 7 % , 50 Hz . Single phase, AC with automatic 2-4 sec Cut Off and 6-9 minutes restart delay.. Quick start arrangements for bypassing the start delay. Suitable MCB on input voltmeter and indicators on Front Panel. Input Poer Cable with 15 A Plug and six way output terminal strip for two outlets Accessories :- – Floor stand – Satellite Bag Tray – Transport case with built-in charger – 500g Calibration weight – Auto Set cable	
4.	**Blood Cell Separator /Aphaeresis machine**	1. Continuous Flow Blood Cell Separator. 2. Single/Dual Needle operation. (Optional accessory required for Single Needle) 3. Built in automated protocols for at least the below procedures, which all should be US-FDA approved a. Leukoreduced Plasma Collection (single or double unit) b. Single or doubleRBC collection c. Leukoreduced platelet collection (single or double or triple) 4. Automatic Pump Loading & Priming of disposables sets. 5. Automated Self test to ensure maximum Donor Safety. 6. Built in Leukoreduction (<5 x 10^6) for Platelets & Plasma using elutriation (eg LRS chamber) or other patented technology which is NOT based on leuko-adsorption filter.	01

		7. Automatic Leukoreduction validation of platelets and plasma at the end of procedure. 8. Adjustable product concentration. 9. End of procedure summary screen showing Donor post Counts 10. Safety check to prevent Platelets count and hematocrit dropping below safety level for Donor . 11. Configurable maximum volume depletion levels either by weight or percentage of Total Blood Volume. 12. Configurable Product Volume, HCT & Platelet Concentration 13. Extracorporeal volume less than 250 ml. 14. Built in Access & Return Pressure sensor. 15. Built in air detectors to prevent air embolism. 16. Built in ACD Detector. 17. Built in contamination monitor for monitoring & preventing RBC contaminations in platelet collection and plasma exchange**.** 18. Audio visual alarms. 19. Built-in Colour Graphic LCD Screen 20. Periodic Instrument Calibration certificate for the various parameters and QC of the products should be provided/maintained by the vendor 21. European CE or US-FDA approved. 22. Additional accessories to be provided a. 30 disposables kits should be provided with equipment b. Blood Donor Couch(electrically operated)-01 c. All consumables required for installation and standardization of system to be given free of cost. 23. Literature of specification details for design, installation, operation and performance. The make, rating, model, description, specifications, price quantity of each item should be furnished separately. Performance, efficiency, other factors as applicable should be furnished. 24. Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for should be supplied with the system. 25. Warranty for 5 years and CMC for 5 years with spare parts availability. 26. Necessary catalogues, technical write up in English, should be attached with the offer both in hard and electronic copies. 27. Should provide electronic and hard copies of User Manual (English), Service manual (English). 28. Should provide a toolkit for providing routine Preventive Maintenance as per manufacturer documentation in service/technical manual. 29. 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.	

Annexure-C

Inviting of sealed quotations for supply and installation of Equipments for Transfusion Medicine and Blood Bank Department of AIIMS, Jodhpur

TECHNICAL BID

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone & Mobile No.	
Name and address of service centre near by Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate)	
PAN No. (enclose the attested copy of PAN Card)	
Service Tax No. (enclose the attested copy of Service Tax Certificate)	
VAT No. (enclose the attested copy of VAT Certificate)	
Whether the firm has enclosed the Tender Fees as per Annexure 'A'	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque as Earnest Money Deposit as per Annexure 'A'	
Whether the Firm/Agency has signed each and every page of Tender/NIT	
Please provide full list of consumables with rates.	
Any other information, if necessary	

Authorized signatory of the bidder with seal.

Annexure-D

Financial Bid

(To be submitted on the letterhead of the company / firm separately for each item)

S.No.	Item Description	QTY	Rate	Vat/ Tax	Amount

CMC Charges as applicable (excluding Service Tax)	
1st Year	
2st Year	
3st Year	
4st Year	
5st Year	

1. I/We have gone through the terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
2. No other charges would be payable by the Institute.

(Authorized signatory of the bidder with seal)