(2nd call)
Notice Tender Invited

for

"Annual Rate Contract for Consumables / procurement of Equipment for Nephrology Department"

At

All India Institute of Medical Sciences, Raipur

Sr. No.	Description	Start Date & Time
1.	NIT No.	Store/Tender/Consumables_&_Equipment_for_ Nephrology_Department /2 / 2016
2.	NIT issue date	20-12-2016
3.	Pre-bid Meeting	30-12-2016 at 03:00 PM
4.	Venue	**Venue**: Committee Hall, 1st floor, Medical College Building, AIIMS, Tatibandh, Raipur-492099
5.	Last Date of submission	11-01-2017 at 03:00 PM
6.	Open EMD & Technical bid	11-01-2017 at 03:30 PM **Venue**: Store Officer, Medical College Building, 2nd floor, AIIMS, Tatibandh, Raipur-492099
7.	Venue	Store Officer, 2nd floor, Medical College Building, AIIMS, Tatibandh, Raipur-492099
8.	Tender document cost	₹ 5,725/- (Inclusive VAT)
9.	EMD	Details mentioned in page no. 2

आरोग्यम् सुख सम्पदा

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

अखिलभारतीयआयुर्विज्ञानसंस्थान,रायपुर,छत्तीसगढ़
All India Institute of Medical Sciences, Raipur (Chhattisgarh)
Tatibandh, GE Road,Raipur-492 099 (CG)
Website : www.aiimsraipur.edu.in
Tele: 0771- 2971307, e-mail: store@aiimsraipur.edu.in

Sub.: Invitation of sealed tender for "**Annual Rate Contract for Consumables/ procurement of Equipment for Nephrology Department**" as per details and specifications shown in the Annexure-I Schedule-A for Annual Rate Contract for Consumables) and (Schedule-B for Procurement of Equipment).

Dear Sir/Madam,

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS) RAIPUR invites sealed tender for "**Annual Rate Contract for Consumables / procurement of Equipment for Nephrology Department**" as per details and specifications shown in the **Annexure-I** (Schedule-A for Annual Rate Contract for Consumables) and (Schedule-B for Procurement of Equipment) on the following terms & conditions:

Schedule-A (Annual Rate Contract for Consumables)

Sr. No.	Description of consumable Items	Qty	EMD in ₹
1	Low-flux Hemodialyzers	20	₹ 8,200/- (Inclusive VAT)
2	High-flux Hemodialyzers	20	
3	Plasmafilters	10	
4	Un-cuffed dialysis catheters	20	
5	Cuffed tunneled dialysis catheters	5	
6	Dialysis fluid (Part A and B)	20	
7	Dialysis fluid dry concentrate (part A and B)	20	
8	Biopsy gun for kidney biopsy	20	

Schedule-B (Procurement of Equipment)

Schedule	Name of Equipment	Qty.	EMD in ₹
Schedule – 1	Hemodialysis machine	2	₹ 60,000.00
Schedule – 2	Hemodiafiltration/SLED machine	2	₹ 1,20,000.00
Schedule – 3	Portable water treatment plant	1	₹ 60,000.00
Schedule – 4	Main water treatment plant	1	₹ 90,000.00
Schedule – 5	Blood pump for plasmapheresis	1	₹ 6,000.00
Schedule – 6	Dialyzer reprocessing machine	1	₹ 24,000.00
Schedule – 7	Portable USG machine with Doppler and angle-adjustable biopsy guides	1	₹ 90,000.00

1. If the supplier / firm is manufacturer / authorized dealer / sole distributor of any item, the Certificate to this effect should be attached.
2. The tender documents are to be in two parts as Technical Offer and Financial offer:
   a) The Technical offer should include the detailed specifications of all items.
   b) The financial offer should include the cost of items as per **Annexure-II (A & B as applicable)**. The Unit cost should be quoted in words as well as figures (typed or printed). Amendment should be avoided. Amendments, if any, should be duly initialled, failing which the offers are liable to be rejected.
   c) The two parts of the offer should be placed in separate sealed envelopes clearly marked "Technical Offer" & "Financial Offer". These two envelopes along with envelope for EMD and Tender Fee marked "Tender Fee & EMD" (total three envelopes) must be enclosed in one bigger envelope duly sealed and super scribed with tender number, name of the items {**(Annual Rate Contract for Consumables for Schedule-A) or (Procurement of Equipment for Nephrology Department for Schedule-B)**} and tender due date must be forwarded to the undersigned so as to reach him on or before the due date.
   d) The Financial Offer must be mentioned in the prescribed format as per the **Annexure-II (A & B as applicable)** only. If the financial offer is not in the prescribed format, it will be rejected.

   Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.
3. Fax and Email quotation are not acceptable.
4. Quotations should be valid for 180 days from the tender due date. The quotation should clearly indicate the period of delivery, warranty terms etc. A minimum of five (5) years warranty for schedule-1 to 7 of schedule-B is required from the date of commissioning.
5. Tenderer must provide evidence of having supplied government hospital / reputed private hospital organizations in India similar nature of items of 1/3rd value of contract value in the last three years.
6. The firm should be registered and the bidder should have the average annual turnover of 50% in the last three financial years. Copies of authenticated balance sheet for the last three financial years should be submitted.
7. All the rates should be mentioned 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.
8. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at FOR AIIMS Raipur.
9. The delivery of the items will have to be made at AIIMS, Raipur. No transportation/ cartridge charges will be provided for the same.
10. The tenderer can quote all the items. AIIMS Raipur reserves the right to award the work to one firm on consolidate L-1 itemwise rate.
11. Delivery of material should be made on working days from 9.00 AM to 5.00PM (Monday to Friday) and Saturday 9:00AM to 1:00 PM only.
12. Unloading of material will be arranged by supplier.
13. The rate quoted should be firm and final and written in ink or typed against each item and should in no case be overwritten.
14. The tender document must be accompanied by copy of PAN, Certificate of firm/company registration.

15. The quotations should be given for the items in the same order as in the tender document.
16. The Competent Authority of AIIMS Raipur has reserved the right to place the order to single bidder or multiple L1 bidders for Schedule-A or B for both items. In Annual Rate Contract for consumables items, the actual quantity may vary as per demand of the Institute at the time of placing order.
17. The Vendor must be able to provide the product / items within specified time period as prescribed in the Purchase Order. Failing the EMD will be forfeited. Furthermore on completion of the stipulated time period, Purchase Order will be cancelled and award will be given to another qualified bidder with the negotiated terms & conditions.
18. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
19. All disputes shall be subject to Raipur Jurisdiction only.
20. 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.
21. AIIMS Raipur is exempted from payment of Excise Duty and is eligible for concessional rate of Custom Duty. Necessary certificate will be issued on demand. AIIMS Raipur will not make necessary arrangements for the clearance of imported goods at the Airport (for schedule-B).
22. In the event of any dispute or difference(s) between the vendee AIIMS Raipur and the vendor(s) arising out of non-supply of material or supplies not found according to the specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to the concerned authority of AIIMS Raipur who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.
23. **AIIMS Raipur reserves the rights to accept/reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.**
24. The Tender / Bid will open on 11/01/2017 at 03:30 PM at AIIMS Raipur Premises.
    a) The suppliers or their authorized representative may also be present during the opening of the Technical offer, if they desire so, at their own expenses.
    b) Only those financial offers will be opened whose technical offers are found suitable by the expert committee appointed for the concerned items.
    c) No separate information shall be given to individual bidders. In incomparable situation, the committee may negotiate price with the technically and financially qualified bidder before awarding the offer.
    d) The Tender Committee reserves its right to select or reject any or all of the items mentioned above without assigning any reasons.

25. In case the supplier requires any elucidation regarding the tender documents, they are requested to contact to the Stores Officer, AIIMS Raipur through e-mail store@aiimsraipur.edu.in on or before 30-12-2016 at 3:00 PM.

    A demand draft/Pay Order of ₹ 5,725/- (Including VAT) towards non-refundable tender fee and Earnest Money Deposit (EMD) in form of demand draft/ BG/ FDR/ Pay Order towards refundable EMD from a Schedule bank in favour of "AIIMS Raipur" payable at Raipur placed in a separate envelope marked "Tender Fee & EMD" should accompany tender bid documents. Both the demand drafts should be valid for 90 days (Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India). Without the Tender Fee and EMD the bid will not be considered.

    The EMD of the successful bidder will be returned to them without any interest after completing the successful execution of Agreement. The earnest money of unsuccessful bidders will be returned to them without any interest within thirty (30) working days after awarding the offer.

26. All tender documents should have to be forwarded through speed post or registered post, courier, Hand Delivery on / before 11-01-2017 at 3.00PM to Store Office, Medical College Building, 2nd floor, AIIMS, Tatibandh, Raipur-492099.

Stores Officer
AIIMS, Raipur

Terms & Conditions for procurement of Equipment:

1. **Pre–Qualification Criteria:**
   a. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from Manufacturer on the same and specific to the tender should be enclosed.
   b. An undertaking from the original Manufacturer is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.
2. **Performance Guarantee Bond:**
   a. Performance Guarantee Bond is mandatory.
   b. 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.
   c. 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.
   d. After completion of warranty period a fresh BG/DD/FDR of 10% of CMC cost will be submitted by the supplier for performance security against CMC validity of this new BG/DD/FDR will be 60 days beyond CMC period. After submission of new security deposit, old security deposit will be released.
3. **Delivery& Installation**: The successful bidders should strictly adhere to the following delivery schedule supply, installation & commissioning should be effected within 4-6 weeks from the date of supply order and this clause should be strictly adhere to failing which administrative action as deemed fit under rules will be taken against the defaulter. Otherwise LD will be imposed as per clause no. 4. Purchase order will be placed as required by consignee.
4. **Penalty**: If the suppliers fails to deliver and place any or all the Equipment or perform the service by the specified date as mention in purchase order, penalty at the rate of 0.5% per week of the delayed value of goods subject to the maximum of 10% of delayed goods value will be deducted.
5. **Training and Demonstration**: Suppliers need to provide adequate training and demonstration at AIIMS Raipur to the nominated person of AIIMS Raipur at their cost. AIIMS Raipur will not bear any training or living expenditure in this regard. The Supplier should arrange for regular weekly visit to the AIIMS, Raipur campus by its technical team and assist in maintenance of the item/equipment within warranty period. Assistance limited to locking companies with manufacturer will not be considered sufficient.

6. **Expiry Date of consumables:**
   - Items which are mentioned in **Annexure- I (Schedule-A for Annual Rate Contract for Consumables**) should have a minimum expiry of 1 years from the date of supply.
   - If the supplier having been notified, fails to respond to take action to replace the defect(s) within 10 days the purchaser may proceed to take remedial action(s) as deemed fit.

7. **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 of 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.

8. **Duration of Contract for Schedule-A:** The duration of Annual Rate Contract for consumable items shall be one year, which may be extendable for another one year by mutually agreed demand by Director AIIMS Raipur.

9. **Purchase may withdraw the rate contract by serving suitable notice by giving 30 days period for Schedule-A for Annual Rate Contract for Consumables.**

10. **Validity of Authorization:** The tenderer should submit the authorization certificate from the original manufacturer, which is valid from the date of agreement till completion of contract period i.e. beyond two months.

11. **Installation & Warranty Declaration for schedule-B**: Suppliers must give 5 years comprehensive onsite warranty as required from the date of successful installation of item/equipment against any manufacturing defects. In the installation report the model number of instrument and all spares parts / accessories numbers should be in the line of purchase order. And suppliers must be written in the warranty declaration that "everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be completed enough to carry out the experiments, as specified in the tender document." If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges (shipping cost both ways). **Installation must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**

12. **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.

13. **Right of Acceptance:** AIIMS, Raipur reserves 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 equipment/instruments in the given tender or only part of it in any given schedule without assigning any reason.

14. **Communication 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.

15. **Guarantee / Warranty, Service, Maintenance:** The tenderers must quote onsite warranty as per **Annexure-I (Schedule-B)** from the date of completion of the satisfactory installation as certified by the stipulated committee. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders should submit their quote for subsequent 5 years on site CMC (include free labour, repair other services & spare parts). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be made taking into account on basic price and post warranty CMC. The Rate Contracting Authority reserves the right to award CMC (include free labour, repair other services & spare parts), the price of CMC should be quoted according to the cost of equipment. The amount of CMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department.

    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.

16. **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, exception, 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 hall 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.

17. **Insolvency etc.:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other 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.

18. **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 reasons thereof and nothing will be payable by AIIMs, Raipur. In that event the security deposit shall also stand forfeited.

19. **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.

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

21. **Terms of payment for Schedule-A:**

    1. The payment would be made for actual supply taken and no claim in this regard should be entertained. 100% payment will be made after receipt and acceptance of materials.
    2. No payment shall be made for rejected Stores. Rejected items must be removed by the supplier within two weeks of the date of issue of rejection advice 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.
    3. Tenderer should submit 03 invoice in original along with the packing list/delivery challan and other relevant documents (if required) on the time of payment.

22. **Terms of payment for Schedule-B:**

    1. The payment would be made for actual supply taken and no claim in this regard should be entertained. 70% payment will be made on receiving of goods satisfactorily with approved quality & ordered quantity. And balance 30% will be paid after successful installation, commissioning and / or report from the user department.
    2. No payment shall be made for rejected Stores. Rejected equipment's must be removed by the supplier within two weeks of the date of issue of rejection advice 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.
    3. Tenderer should submit triplicate copies of invoice in original alongwith the packing list/delivery challan, certificate of origin and other relevant documents on the time of payment (if required).

       For release of Balance Payment 30%, the following documents must be submitted.

       i. Installation Report
       ii. Warranty Certificate
       iii. Any other documents (if required)

23. **Compulsory Enlistment of Indian Agents**

As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, it is compulsory for Indian agents who desire to quote directly on behalf of their foreign manufacturers/principals, to get themselves enlisted with the Department of Expenditure, through the Central Purchase Organization (e.g. DGS&D).

The compulsory enlistment of Indian Agents under the scheme of Ministry of Finance is simpler and differs from the registration of Indian Agents with the Central Purchase Organization (e.g. DGS&D) described in the earlier paragraphs.

The registration of the foreign manufacturer is not a must for enlisting the Indian Agent under this scheme. No Inspection Report in respect of the foreign manufacturer/principal is necessary.

The enlistment under the scheme is not equivalent to the Registration with DGS&D. Such firms do not enjoy the same status as that of DGS&D registered suppliers. A note to this effect is given in the Enlistment Letter to the firm.

24. **Octroi and Local Taxes**

The goods supplied against contracts placed by Ministry / Department are generally exempted from levy of Town Duty, Octroi Duty, Terminal Tax and other Levies of local bodies. The suppliers should be informed accordingly by incorporating suitable instructions in the tender enquiry document and in the resultant contract. Wherever required, the suppliers should obtain the exemption certificate from the purchase organization to avoid payment of such levies and taxes. In case, where the municipality or the other local bodies insist upon such payments (in spite of purchase organization's exemption certificate), the supplier should make the payment to avoid delay in supplies and forward the receipt of the same to the purchase organization for reimbursement and, also, for further necessary action by the purchase organization.

25. **Custom Duty on Imported Goods**

In respect of imported goods, the tenderers shall also specify separately the total amount of custom duty included in the quoted price. The tenderers should also indicate correctly the rate of custom duty applicable for the goods in question and the corresponding Indian Customs Tariff Number. Where customs duty is payable, the contract should clearly stipulate the quantum of duty payable etc. in unambiguous terms.

26. **Customs Duty Reimbursement**:

The supplier will pay the Customs duty wherever applicable, which will be reimbursed by purchaser as per documentary evidence. The Customs duty exemption certificate will be provided to the supplier as and when required.

27. **Fall Clause** :

1. Prices charged for supplies under Contract by the supplier should in no event exceed the lowest prices at which he offers to sell or sells the stores of identical description to any other State Government /DGS&D/Public Undertaking during the period of the contract.
2. If at any time during the period of contract, the prices of tendered items is reduced or brought down by any law or Act of the Central of State government, the supplier shall be bound to inform Purchasing Authority immediately about such reduction in the contracted prices, in case the supplier fails to notify or fails to agree for such reduction of rates, the Purchasing authority will revise the rates on lower side. If there is a price increase for any product after quoting the rates, the bidder will have to supply the item as per quoted rates. This office will not accept any higher rates after wards.
3. If at any time during the period of contract, the supplier quotes the sale price of such goods to any other State Govt./DGS&D and Pubic Undertakings at a price lower than the price chargeable under the rate contract he shall forthwith notify such reduction to Purchasing Authority and the prices payable under the rate contract for the equipment's supplied from the date of coming into force of such price stands correspondingly reduced as per above stipulation.

Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the suppliers need to supply all the goods in the specified form to the satisfaction / specifications specified in the Purchase order and demonstrate at the their own cost.

Store Officer,
AIIMS Raipur

FormA

PARTICULARS TO BE FILLED BY THE BIDDER

1. Name of the Supplier :_____
2. Complete Address of the Supplier :_____

   _____
3. Availability for demonstration of instruments at AIIMS Raipur. Yes/No [Please √]
4. Cost of the Tender enclosed: Yes/No [Please √] If yes,
   a.) Name of the Bank : _____
   b.) Amount in (Rs.) : _____
   c.) Demand Draft No. : _____
5. Earnest Money Deposit enclosed: Yes / No [Please √] if Yes,
   a.) Name of the Bank : _____
   b.) Amount in (Rs.) : _____
   c.) Demand Draft No. : _____
   d.) Last Validity date of the enclosed DD: _____
6. Communication details of the concerned contact person to whom all references shall be made regarding this tender enquiry.

   [**NOTE**: Any changes after submission of Tender documents kindly update AIIMS Raipur]

   a.) Full Name : _____
   b.) Complete Postal Address: _____
   c.) Telephone No. : _____
   d.) Fax No. : _____
   e.) Mobile No. : _____
   f.) E-mail : _____
   g.) Website Address : _____

Note: - Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India.

Form B

PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCESSFUL BIDDER

RTGS / National Electronic Fund Transfer (NEFT) Mandate Form

1	Name of the Bidder	
2	Permanent Account No (PAN)	
3	Particulars of Bank Account	
	a) Name of the Bank	
	b) Name of the Branch	
	c) Branch Code	
	d) Address	
	e) City Name	
	f) Telephone No	
	g) NEFT/IFSC Code	
	h) RTGS Code	
	i) 9 Digit MICR Code appearing on the	
	j) Type of Account	
	k) Account No.	
4	Email id of the Bidder	

Form C

CHECKLISTS FOR ANNUAL RATE CONTRACT FOR CONSUMABLES / EQUIPMENT FOR NEPHROLOGY DEPARTMENT

Checklist – Tender Fee & EMD			
Sr. No.	**Particulars**	**Documents to be attached wherever applicable**	
		Yes	No
1.	Demand Draft for ₹ 5,725/- (Cost ₹ 5,000 + VAT@14.5% ₹ 725= ₹ 5,725/-) towards non-refundable tender fee is enclosed. **Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India		
2.	Demand Draft schedule wise towards refundable EMD is enclosed. **Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India		
3.	Envelope is marked as "Tender Fee and EMD"		
Checklist – Technical Offer			
Sr. No.	**Particulars**	**Documents to be attached wherever applicable**	
		Yes	No
1.	1) Attached documents as required in the tender document (i.e. Supplier/firm is manufacturer/authorized dealer/sole distributor certificat 2) Authorization certificate from the manufacturer in case of dealer / distributor. 3) Copy of PAN, 4) Certificate of firm/company registration, 5) TIN/VAT registration (Sales tax), 6) Service Tax Registration Number. (Please attach copy) 8) Income Tax Return of last three years, 9) Tenderer must provide experience / supplied as per the clause 6. 10) Annual Turnover & balance sheet of last three years duly certified by C.A. as per the clause 7. 11) Certificate of USFDA / European CE / ISO standards as per **Annexure-I (as applicable)**. 12) Tender document duly seal and sign by the tenderer. 13) Tenderer must provide a certificate on letter head that proprietor /firm has never been black listed by any organization. 14) Certificate of proof of manufacturing submitted by the tenderer. 15) Relevant brochure/catalogue pertaining to the items quoted with full specifications etc. 16) Company/Manufacturer/Firm should have branch office within Chhattisgarh Provide address in detail.		
2.	Technical Specifications Compliance Report		
3.	Duly filled Form – A & Form –B		
4.	Envelope is marked as "Technical Offer"		

PARTICULARS FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Two Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE SCHEDULED BANK (WHETHER SITUATED AT RAIPUR OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT RAIPUR. BONDS ISSUED BY CO- OPERATIVE BANKS ARE NOT ACCEPTED.)

To,
The Director
All India Institute of Medical Sciences (AIIMS),
Tatibandh, GE Road,Raipur-492 099 (CG)

LETTER OF GUARANTEE

WHEREAS All India Institute of Medical Sciences (AIIMS) Raipur (Buyer) have invited Tenders vide Tender No..... Dt..... for purchase of ..... AND WHEREAS the said tender document requires the supplier / firm (seller) whose tender is accepted for the supply of instrument / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of "AIIMS Raipur" in the form of Bank Guarantee for Rs..... [10% (ten percent) of the purchase value] which will be valid for entire warranty period from the date of installation & commissioning, the said Performance Guarantee Bond is to be submitted within 30 (Thirty) days from the date of Acceptance of the Purchase Order.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said supplier/firm (seller) failing to abide by any of the conditions referred to in tender document / purchase order/ performance of the instrument / machinery, etc. this Bank shall pay to All India Institute of Medical Sciences (AIIMS) Raipur on demand and without protest or demur Rs ..... (Rupees.....).

This Bank further agrees that the decision of All India Institute of Medical Sciences (AIIMS) Raipur (Buyer) as to whether the said supplier/firm (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, ... (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the supplier/firm (Seller) and/ or All India Institute of Medical Sciences (AIIMS) Raipur (Buyer).

Notwithstanding anything contained herein:

a. Our liability under this Bank Guarantee shall not exceed Rs.....(Indian Rupees ..... only).

b.This Bank Guarantee shall be valid up to .....(date) and

c. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if AIIMS Raipur serve upon us a written claim or demand on or before.....(date)

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at ..... situated at.....(Address of local branch).

Yours truly,

Signature and seal of the Guarantor
Name of the Bank:.....
Complete Postal Address: .....

ANNEXURE-I

Technical Specification

Schedule-A (Annual Rate Contract for Consumables)

1. Low Flux Hemodialyzer (Qty. 20)

1.	Low flux dialyzers should made of high performance membrane and hollow fiber type
2.	Low flux dialyzer is usually defined as Ultrafiltration coefficient (K_{UF}) is < 25 ml/h/mmHg and β2-M clearance < 20 ml/min.
3.	Should be compatible with most hemodialysis machines
4.	Membrane should be made high biocompatible materials such as Polysulfone or Polyethersulfone or Polymethylmethacrylate or Polyacrylonitrile
5.	Housing should be made of Polycarbonate or Polypropylene
6.	Potting Compound should be Polyurethane
7.	Performance related parameters should be specified for each dialyzer separately along with cost of each unit. • Surface area (all available options) • Priming volume • UF coefficient • Clearance data (Urea, Creatinine, Phosphate, Vitamin B12)
8.	Dialyzers should have endotoxin retaining characteristics
9.	Dialyzers should be of multiple use type and compatible with most reprocessing machines and reprocessing fluids
10.	Sterilization Method: Steam or electron beam or gamma radiation
11.	Should have caps for blood inlet and outlet ports for safer storage
12.	Should have caps for dialysate inlet and outlet for safer storage
13.	Dialyzers should meet European CE or US FDA or ISO standards

2. High Flux Hemodialyzer (Qty. 20)

1.	High flux dialyzers should made of high performance membrane and hollow fiber type
2.	High flux dialyzer is usually defined as Ultrafiltration coefficient (K_{UF}) is > 20 ml/h/mmHg and β2-M clearance > 20 ml/min.
3.	Should be compatible with most hemodialysis machines
4.	Membrane should be made high biocompatible materials such as Polysulfone or Polyethersulfone or Polymethylmethacrylate or Polyacrylonitrile
5.	Housing should be made of Polycarbonate or Polypropylene
6.	Potting Compound should be Polyurethane
7.	Performance related parameters should be specified for each dialyzer separately along with cost of each unit. • HD or HF or HDF • Surface area (all available options) • Priming volume • UF coefficient • Clearance data (Urea, Creatinine, Phosphate, Vitamin B12)
8.	Dialyzers should have endotoxin retaining characteristics
9.	Dialyzers should be of multiple use type and compatible with most reprocessing machines and reprocessing fluids
10.	Sterilization Method: Steam or electron beam or gamma radiation
11.	Should have caps for blood inlet and outlet ports for safer storage
12.	Should have caps for dialysate inlet and outlet for safer storage
13.	Dialyzers should meet European CE or US FDA or ISO standards

3. Plasmafilters (Qty. 10)

4. Un-cuffed dialysis catheters (Qty. 20)

5. Cuffed tunneled dialysis catheters (Qty. 05)

6. Dialysis fluid (Part A and B) (Qty. 20)

7. Dialysis fluid dry concentrate (part A and B) (Qty. 20)

8. Biopsy gun for kidney biopsy (Qty. 20)

Schedule-B (Procurement of Equipment)

Schedule-1

HEMODIALYSIS MACHINE (Qty: 02 No.)

Specifications for Conventional Hemodialysis Machine:

Sl. No.	Requirements
1	**Blood Pump**
1.1	Flow rate range: 50-600 ml/min with 5 ml/min increments
1.2	Accuracy: ± 10%
1.3	Effective blood flow rate should be calculated and displayed in a real-time basis automatically
1.4	It shall be easy and safe to thread with bloodline diameter from 2 mm up to 10 mm
1.5	Automatic set up and priming
1.6	An hand crank shall be provided for returning blood to patient when electrical power is lost
1.7	The blood pump should run even in the absence of water or dialysate flow
2	**Heparin Pump**
2.1	Infusion rate: 0.1-**9.9ml**/hr with 1 ml/hr increments
2.2	Accuracy: ± 5%
2.3	Positive and negative extracorporeal circuit pressure shall not affect the infusion rate
2.4	Heparinization stop time (before end of treatment) between 0-8 hrs and should be user adjustable in 1 min increments
3	**Pressure Monitoring and Alarms**
3.1	Venous pressure monitoring
3.1.1	Range: -60 to + **500** mmHg
3.1.2	Accuracy: ± 10mmHg
3.2	Venous pressure alarm
3.2.1	Adjustable high & low alarm limits
3.2.2	Alarm limit can spread and be reset automatically on adjustment of blood flow

3.3	Arterial pressure monitoring
3.3.1	Range; -300 to 280 mmHg
3.3.2	Accuracy: ± 10 mmHg
3.4	Arterial Pressure Alarm
3.4.1	Adjustable high & low alarm limits
3.4.2	Alarm limit can spread and be reset automatically on adjustment of blood flow
4	**Air Detection**
4.1	Alarm shall be activated for air bubbles and microbubbles over the entire blood flow range
4.2	The tenders shall state the sensitivity of the detection mechanism in terms of air bubble size at particular blood flow rate
4.3	On detection of excessive air on the venous line, the blood pump shall be stopped and the venous return line shall be clamped at a point blow the air detector
4.4	Ultrasonic sensor shall be used for preventing being affected by ambient light
5	**Dialysate Flow Rate**
5.1	Between **300** to 800 ml/min and should be user-selectable
5.2	Accuracy: ± 10%
6	**Temperature Control and Alarms**
6.1	Control range: 35.0 to 39.0 C in 0.5 C increment
6.2	Alarm limits: 33.5 to **39**.0 C
7	**Conductivity Control and Alarms**
7.1	The dialysate conductivity shall be adjusted by setting the sodium concentration
7.2	Sodium concentration shall be adjustable from **130** to 150 mmol/l in 1 mmol/l increment and bicarbonate concentration shall be adjustable of ± 8 mmol/l from the original mixing concentration
7.3	Conductivity measurement
7.3.1	Range : 12.8 to 15.7 mS/cm
7.3.2	Accuracy: ± 0.1 mS/cm
8	**Blood Leak Detection**
8.1	Alarm shall be activated for blood loss rate not greater than 0.5 ml/min into dialysate at maximum dialysate flow of hemoatocrit about 20-25%
8.2	Photo-detector shall be used
8.3	Different types of alarms shall be shown to differentiate a true blood leak incident or dirtiness
9	**Volumetric Ultrafiltration Control**
9.1	Control range: 0 to 4L/hr given by the set values of UF volume and treatment time
9.2	Accuracy: ± 1% (M)
9.3	UF volume: 0 to 9.99L adjustable in 1 ml increment
9.4	Treatment Time: adjustable up to 9 hr 59 min in 5 min increment
9.5	TMP monitoring: -60 to +520 mmHg
9.6	Isolated ultrafiltration (ISO-UF) process shall be provided
9.7	Ultrafiltration and sodium profiling shall be provided
10	**Dialysis Parameter Display**
10.1	The equipment shall digitally display the parameters:-

	a. Arterial pressure b. Venous pressure c. Trans-membrane pressure d. Blood flow rate e. Dialysate flow rate f. Dialysate conductivity g. UF volume h. UF rate i. Elapsed and remaining treatment time j. Heparin infusion rate
11	**Online Clearance Monitoring**
11.1	Built-in device for measurement of urea clearance (K), dialysis dose (Kt/V) and plasma sodium (Na) automatically
11.2	Measurements should be non-invasive, real-time and without any additional disposables
11.3	Clearance measurement accuracy: +/-5% (SD) and Kt/V determination accuracy: +/-10% (SD)
12	Machine should have endotoxin, microbial and micro-impurities filter for dialysate fluid
13	Facility for heat, chemical disinfection, auto-switch off and history of disinfection is mandatory
14	Machine should be able to generate bicarbonate dialysis fluid from dry bicarbonate concentrate
15	Power input to be 220-240VAC, 50Hz fitted with Indian plug. Battery backup should be such that the equipment shall be able to operate the extracorporeal circuit without interruption for at least 15 min in case of AC power failure
16	Machine should have an in-built automated non-invasive blood pressure monitor
17	Alarms should have both audio and visual components
18	Upgradable to future software developments and can be linked with Patient Data Management System
19	All consumables and attachments required for installation and standardization of system to be given free of cost. In addition, 2 bacterial filters, 50 low flux compatible dialysers of different surface areas, and 100 compatible tubings to be supplied free of cost.
20	Comprehensive training for lab staff and support services till familiarity with the system
21	Should have local service facility .The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
22	**Documentation**
22.1	User/Technical/Maintenance manuals to be supplied in English.
22.2	Certificate of calibration and inspection.
22.3	List of Equipment available for providing calibration and routine Preventive Maintenance Support, as per manufacturer documentation in service/technical manual.
22.4	List of important spare parts and accessories with their part number and costing.

22.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out
23	US FDA or European CE or ISO approved/certified
24	Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part 2- particular requirements for the safety of Haemodialysis equipment.
25	Five (5) years warranty and Five (5) years CMC.

Schedule-2

HEMODIAFILTRATION / SLED MACHINE (Qty: 02 No.)

Specifications for Hemodiafiltration Machine:

Sl. No.	Requirements
1	**Blood Pump**
1.1	Flow rate range: 50-600 ml/min with 5 ml/min increments
1.2	Accuracy: ± 10%
1.3	Effective blood flow rate should be calculated and displayed in a real-time basis automatically
1.4	It shall be easy and safe to thread with bloodline diameter from 2 mm up to 10 mm
1.5	Automatic set up and priming
1.6	An hand crank shall be provided for returning blood to patient when electrical power is lost
1.7	Air free pressure measurement on arterial line
2	**Heparin Pump**
2.1	Infusion rate: 0.1-**9.9** ml/hr with 1 ml/hr increments
2.2	Accuracy: ± 5%
2.3	Positive and negative extracorporeal circuit pressure shall not affect the infusion rate
2.4	Heparinization stop time (before end of treatment) between 0-23 hrs and should be user adjustable in 1 min increments
2.5	Should have programmable auto bolus administration function
3	**Pressure Monitoring and Alarms**
3.1	Venous pressure monitoring
3.1.1	Range: -100 to + 400 mmHg
3.1.2	Accuracy: ± 10mmHg
3.2	Venous pressure alarm
3.2.1	Adjustable high & low alarm limits
3.2.2	Alarm limit can spread and be reset automatically on adjustment of blood flow
3.3	Arterial pressure monitoring

3.3.1	Range; -250 to 250 mmHg
3.3.2	Accuracy: ± 10 mmHg
3.4	Arterial Pressure Alarm
3.4.1	Adjustable high & low alarm limits
3.4.2	Alarm limit can spread and be reset automatically on adjustment of blood flow
4	**Air Detection**
4.1	Alarm shall be activated for air bubbles and micro bubbles over the entire blood flow range
4.2	The tenders shall state the sensitivity of the detection mechanism in terms of air bubble size at particular blood flow rate
4.3	On detection of excessive air on the venous line, the blood pump shall be stopped and the venous return line shall be clamped at a point blow the air detector
4.4	Both ultrasonic and optical sensors shall be used for air detection
5	**Dialysate Flow Rate**
5.1	Between **100** to **800** ml/min with a resolution of 100 ml/min and should be user-selectable
5.2	Accuracy: ± 10%
5.3	Machine should be able to generate bicarbonate dialysis fluid from dry bicarbonate concentrate
6	**Temperature Control and Alarms**
6.1	Control range: **33.0** to 39.0 C in 0.5 C increment
6.2	Alarm limits: **33.0** to **39.0** C
7	**Conductivity Control and Alarms**
7.1	The dialysate conductivity shall be adjusted by setting the sodium concentration
7.2	Sodium concentration shall be adjustable from 125 to 150 mmol/l in 1 mmol/l increment and bicarbonate concentration shall be adjustable from 24 to 38 mmol/l in 0.5 mmol/l increment
7.3	Conductivity measurement
7.3.1	Range : 12.8 to 15.7 mS/cm
7.3.2	Accuracy: ± 0.1 mS/cm
8	**Blood Leak Detection**
8.1	Alarm shall be activated for blood loss rate less than 0.5 ml/min into dialysate at maximum dialysate flow or hemoatocrit of about 20-25%
8.2	Photo-detector shall be used
8.3	Different types of alarms shall be shown to differentiate a true blood leak incident or dirtiness
9	**Volumetric Ultrafiltration Control**
9.1	UF rate: 0 to 4L/hr
9.2	Accuracy: ± 1%
9.3	UF volume: 0 to 10 L adjustable in 100 ml increment
9.4	Treatment Time: adjustable up to 22 hrs in 5 min increment

9.5	TMP monitoring: -100 to +400 mmHg
9.6	Isolated ultrafiltration (ISO-UF) process shall be provided
9.7	Ultrafiltration and sodium profiling shall be provided
10	**Dialysis Parameter Display**
10.1	The equipment shall digitally display the parameters:- • Arterial pressure • Venous pressure • Trans-membrane pressure • Blood flow rate • Dialysate flow rate • Dialysate conductivity • UF volume • UF rate • Elapsed and remaining treatment time • Heparin infusion rate
11	**Online Clearance Monitoring**
11.1	Built-in device for measurement of urea clearance (K), dialysis dose (Kt/V) and plasma sodium (Na) automatically
11.2	Measurements should be non-invasive, real-time and without any additional disposables
11.3	Clearance measurement accuracy: +/-5% (SD) and Kt/V determination accuracy: +/-10% (SD)
12	**Ultrapure Dialysate filter**
12.1	Machine should have endotoxin, microbial and micro-impurities filter for dialysate fluid
12.2	Machine should have two bacterial filter (Pyrogen filters) one at water inlet and one before water going to dialyzer
12.3	Should have endotoxin retention capacity not less than 10^6IU.
12.4	Machine should have an automatic program to change filter, including emptying & filling cycles.
12.5	Filter change reminder should be available.
13	**Disinfection and Cleaning**
13.1	Facility for both chemical and heat disinfections is mandatory
13.2	Various programmable cleansing cycles should be provided with timings with different disinfectants.
13.3	Should be fully automatic operation including pre-rinse, chemical-intake for combined disinfection and decalcification, post-chemical mandatory rinse, and automatic power-off and history of disinfection
14	**Hemodiafiltration**
14.1	Both pre-dilution and post-dilution HDF or HF option should be available
14.2	Automatic control substitution program with multiple parameter integrate function (pre or post-dilution, dialyzer, effective blood flow, hemoatocrit, total protein and UF rate).
14.3	Should be capable of online preparation of substitution fluid which can be used for rinsing, priming, bolus injection and reinfusion purposes.

14.4	Substitution fluid delivery rate: 50 to 500 ml/min in 10 ml/min increment, with accuracy ± 10%
15	**Prolonged intermittent renal replacement therapy**
15.1	Should be able to provide SLED/PIRRT for up to 20 hours continuously without need of rinsing
16	**Safety features**
16.1	Should be with volumetric balancing system
16.2	Emergency button enabled bolus, UF control, BPM control
16.3	User interface should be a touch screen with functional keys with graphical display of treatment data and various menus (blood system, preparation, dialysate, UF, treatment, reinfusion, cleaning, system parameters)
17	Power input to be 220-240VAC, 50Hz fitted with Indian plug. Battery backup should be such that the equipment shall be able to operate the extracorporeal circuit without interruption for at least 15 min in case of AC power failure.
18	Machine should have an in-built automated non-invasive blood pressure monitor
19	Alarms should have both audio and visual components
20	Upgradable to future software developments and can be linked with Patient Data Management System
21	All consumables and attachments required for installation and standardization of system to be given free of cost. In addition, 4 bacterial filters, 50 high flux compatible dialyzers of different surface areas, and 100 compatible tubings to be supplied free of cost.
22	Comprehensive training for lab staff and support services till familiarity with the system
23	Should have local service facility .The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
24	**Documentation**
24.1	User/Technical/Maintenance manuals to be supplied in English.
24.2	Certificate of calibration and inspection.
24.3	List of Equipment available for providing calibration and routine Preventive Maintenance Support, as per manufacturer documentation in service/technical manual.
24.4	List of important spare parts and accessories with their part number and costing.
24.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out
25	US FDA or European CE or ISO approved/certified
26	Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part 2- particular requirements for the safety of Hemodialysis equipment.
27	Five (5) years warranty and Five (5) years CMC.

Schedule-3

PORTABLE WATER TREATMENT PLANT (Qty: 01 No.)

Specification of Portable Water Treatment Plant:

Sl. No.	Requirements
1.	Should be of compact design on wheels for easy movement.
2.	Should be able to produce 250 Litre/Hour of permeate (support 4-5 machines).
3.	The system must be Microprocessor based.
4.	Capabilities to show on display for Permeate (Supply in Litres/min, Temperature) and for Raw Water (Consumption in Litres/min, Pressure)
5.	Should have built in dual column softener with fully automated brine, fill and clean cycles, also have a brine tank incorporated in the system.
6.	Should have built in cartridge type Charcoal Filter.
7.	Should have fully automatic disinfection system in place.
8.	Should have built in cartridge filter of 10 micron and 5 micron.
9.	Should have programmable fully automated rinse cycle for RO membrane wash.
10.	Provision of U-V filter at the final treated water supply point.
11.	There should be a provision of OFF LINE mode and ONLINE mode of Permeate Supply.
12.	There should be a water saving system in place which adjusts the output to the number of machines in use and control yield accordingly.
13.	Should not have noise level more than 80 dB
14.	Should deliver the water quality as per AAMI or ISO or European standard.
15.	Yield setting should be greater than 50%.
16.	Should have US FDA or European CE or ISO certification
17.	Five (5) years warranty and Five (5) years CMC.

Schedule-4

MAIN WATER TREATMENT PLANT (Qty: 01 No.)

Specifications for Main Water Treatment Plant

Sl.No.	Specification Required
1	**Operational Requirements**
1.1	The system should be sufficient for online operation of 20 machines with pure water capacity of 1000 litres/hour.
2	**Pre-Treatment System**
2.1	Pre Treatment should have a Mesh Filter of 50 microns.
2.2	There should be an automatically controlled Solenoid Valve to fill the Raw Water Tank.
2.3	Raw water tank having food grade quality for at least 1000 Litres capacity to store Raw Water.
2.4	Sand filter containing sand particles of different grade should have fully automatic back wash and rinse cycles every day.
2.5	Particle filter should be of cartridge filter type of 20 microns and 5 microns.
2.6	Should have built in dual column softener with fully automated brine fill and clean cycles, also have a brink tank incorporated in the system.
2.7	Carbon filters with fine carbon granules. Should have fully automatic backwash cycle & rinse cycle every day.
2.8	Should have built in cartridge type Charcoal filter.
3	**RO Unit**
3.1	The complete system should be fully programmable.
3.2	Should have inbuilt ability to show conductivity of Permeate produced temperature yield, permeate output supply.
3.3	Should supply 1000 Litres/hour of permeate
3.4	Should have provision of OFFLINE & ONLINE mode.
3.5	Should have dynamic water saving technology and rinsing system available.
3.6	In case of upgrade of system there should be a facility to add additional membrane to increase the capacity.
3.7	There should be a water saving system in place which adjusts the output to the number of machines in use and control yield accordingly.
3.8	Yield setting should be between 50%- 70%.
3.9	Would operate in 3 phase supply.
3.10	Should have fully automatic volume controlled disinfection cycle.
23	Should have EC certification attached with tender documents.
24	In built capabilities to show on display for Permeate (Supply in Litre/minute. Temperature), conductivity & for Raw water (consumption in Litres/minute & Pressure).
25	Should have programmable fully automated Rinse cycle for membrane wash.

26	There should be a provision of OFF line mode and ONLINE mode of Permeate supply. In case permeate supply is to be used to run dialysis machines directly without collecting permeate to tank it should be possible.
27	The system should have protection alarm against low feed water, high output conductivity and high temperature of pump motor.
28	**Post-treatment system**
29	Should have permeated storage tank of at least 1000 Litres capacity.
30	Should have sub- micron bacterial filter manually back washable of 0.2 microns.
31	Provision of U-V filter at the final treated water supply point.
32	Should have Flow indicator of Wall mounting type showing Litres/min. supply and to build back pressure.
33	One additional booster pump should be supplied with the system.
34	Should have Stainless Steel, 316 grades Push-Pull type Stainless Steel connectors for water outlet at Dialysis machine connecting points.
35	**Standards, safety and training**
36	The system should accept feed water hardness up to 1dH
37	Output water quality should match AAMI, ISO & EUROPEAN standards for Haemodialysis Water
38	The unit shall be capable of operating continuously in ambient temperature of 10-40 C and relative humidity of 15-90%
39	Should be European CE or US FDA approved product
40	Manufacturer/Supplier should have ISO certification for quality standards.
41	Five (5) years warranty and Five (5) years CMC.

Schedule-5

BLOOD PUMP FOR PLASMAPHERESIS (Qty: 01 No.)

Specifications for Blood Pump for Plasmapheresis:

Sl. No.	Requirements
1	Should be compact, lightweight and easily portable
2	Stable quality, simple operation, high security and low noise design
3	Should be of peristaltic type
4	Should be compatible with extracorporeal blood tubing commonly used for dialysis
5	Flow rate range: 50 to 250 ml/min with 5 ml/min increments
6	Accuracy: ± 10%
7	Effective blood flow rate should be calculated and displayed in a real-time basis automatically
8	It shall be easy and safe to thread with bloodline diameter from 2 mm up to 10 mm
9	An hand crank shall be provided for returning blood to patient when electrical power is lost
10	Operating voltage of 200 to 240 Volt AC, 50-60 Hz and should be with Indian type power plug
11	Working temperature between 5- 40 degree C
12	Relative humidity up to 70%
13	Should be certified for medical use
14	Five (5) years warranty and Five (5) years CMC

Schedule-6

DIALYZER REPROCESSING MACHINE (Qty: 01 No.)

Specifications for dialyzer reprocessing machine:

Sl. No.	Requirements
1.	Ability to clean both high-flux and low-flux dialyzer and hemofilters
2.	Facility to test and display residual volume and membrane integrity
3.	Facility to check fibre bundle leakage at -250 mmHg
4.	Facility to disinfect and sterilize dialyzer membrane
5.	Should be able to use recommended disinfectants
6.	No pre-dilution of disinfectant
7.	Facility to test blood port connection and dialyzer header caps for proper fittings
8.	Separate provision of disinfectant uptake, drain outlet pipe and drip tray
9.	Separate cycle for water sample collection
10.	RO water requirement should be around 15-20 litres per dialyzer
11.	Should use negative pressure during reverse ultrafiltration cleaning
12.	Fully automatic or semiautomatic operation
13.	Dedicated upgradable software programme
14.	Both audible and flash alarms
15.	US FDA or European CE approval
16.	At least 10 years of experience in dialyzer reprocessing
17.	Five (5) years warranty and Five (5) years CMC.

Schedule-7

PORTABLE USG MACHINE WITH DOPPLER AND ANGLE-ADJUSTABLE BIOPSY GUIDES (Qty: 01 No.)

Technical specifications for Portable USG-Doppler machine:

Sl.No.	Specifications
1.	Should be top of the line and State of the Art fully digital portable ultrasound machine with provision for Doppler examinations
2.	The unit should have a laptop type console design. The unit should be compact, lightweight and portable. Weight should not exceed 10 kg including battery (excluding cart and accessories).
3.	Provided with high quality, compact stand with lockable wheels
4.	It should be suitable for abdominal, small parts, cardiac and vascular applications in both adults and pediatric patient.
5.	Multiple preloaded as well as user configurable application presets should be available.
6.	The system should have advanced measurement, manual and automatic for all applications.
7.	The system should have minimum 1500 or more digital processing channels and 256 or more grey shades.
8.	Maximum scanning depth to be 30 cm or more.
9.	The system to have a dynamic range of 165 decibels or more.
10.	The system should be able to support all type of transducers (Convex, Linear and Phased array Transducers).
11.	All transducers should be lightweight digital phased array broadband type transducers with at least 1024 elements.
12.	Provision for inter-switchability between the transducers without the need of manual disconnection
13.	The system should an integrated high resolution **TFT** / LCD of **12** inches or more with facility of tilt and swivel facility along with convenient grip.
14.	Should be supplied with **four** transducers (one each): Convex electronic phased array transducer: 2-6 MHz for abdominal imaging. Linear transducer: 5-12 MHz for vascular and small part imaging. **Small Linear transducer: 5-12 MHz for vascular imaging.** Broadband Phased array cardiology transducer: 1-5 MHz for cardiac imaging
15.	Convex **(one)** and linear transducers **(two)** shall have detachable reusable biopsy guides for different gauge needles
16.	The system should have a frame rate of at least 600 frames per seconds (fps) in B mode and more than 300 fps in Color mode.
17.	The system should have an ergonomic full alphanumeric soft keys keyboards with easy access scans control and trackball or touchpad.
18.	The Systems should have cine loop review facility of not less than 60 sec/1000 frames.
19.	System should have **12** GB or higher capacity internal HDD.
20.	The system should have the facility of digital storage and retrieval of B/W and colour image data.
21.	Provision for USB port and LAN transfer of data should also be present.
22.	Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler and

	Power (energy) Doppler should be available.
23.	Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.
24.	Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.
25.	Controls for pushed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert duplex on/off.
26.	Measurements for 2D mode: Multiple distances, area and volume.
27.	Measurement for Doppler modes: Stenosis quantification in area percentage, Diameter, PSV, EDV, means, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.
28.	Unit should function with 200-240 V, 50 Hz AC, 5 amp power outlet power requirement to be specified
29.	In built battery backup should be at least one hour or more.
30.	The unit offered must be sturdy and should be able to withstand accidental hits and falls during transportation.
31.	The unit offered in the tender will require technical demonstration and training of users for at least 1 week.
32.	Photocopy of purchase orders along with terms and conditions of contract received from five Govt. /Public Sector institution/college of repute in the last two years for supply of the offered equipment must be enclosed with the price bid.
33.	Price of the main unit and accessories to be quoted separately.
34.	Warranty: The unit transducers and all accessories should be covered with comprehensive onsite warranty for five (5) years commencing from the date of issue of installation certificate.
35.	Rates for comprehensive maintenance contract CMC (including all spared and labour) for 5 years, after expiry of warranty period, must be quoted separately.
36.	Company should have a Registered Service Centre in India with address and phone numbers. Company should give undertaking regarding the spare availability of the quoted model for next 10 years.
37.	The bidder should enclose the original product data sheet, brochure and compliance sheet, without which the bid rejected. Computer generated data sheet brochure will not be accepted. The serial number of specifications must be indicated against the relevant portion of the compliance sheet and data sheet.
38.	The unit should be United States Food and Drug Administration (FDA) and Conformity Europeans (CE) approved.
39.	Five (5) years warranty and Five (5) years CMC.

(Signature & Stamp of the bidder)

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

ANNEXURE-II

FINANCIAL OFFER

FOR INDIGINEOUS SUPPLIES

(SCHEDULE A & B)

Ref. No. & Date : -

Tender No. : -

Due Date : -

Description of item : -

S. No.	Description of Item & Specification	Qty.	Make/ Brand Name	Pack Size	Unit Price in ₹	CST /VAT in ₹	Unit Price (Including Tax)	Total Price (Unit Price including Tax x Qty.)
	As per **Annexure-I**							

The item wise unit price (including tax) for Schedule-A and Schedule-B will be the deciding factor for L1 provided all the other conditions mentioned in the tender document are fulfilled.

- **Delivery Mode** : Delivery at AIIMS Raipur, at site only
- Total bid price should be inclusive of all taxes and levies, transport, loading, unloading, cartridge charges etc. at FOR AIIMS Raipur.
- To import the foreign goods of schedule-B, all the payments will be paid by tenderer (including Custom Duty, Custom Clearance charges and transportation charges etc.) and supply to FOR AIIMS Raipur as per terms of contract. CDEC will be issued to tenderer on demand.
- **Delivery Period** : .....days.
- **Quotation Validity Date**: - Minimum 180 Days from the date of Submission of quotation/tender.
- **Items should have minimum expiry of 1 years from the date of supply for Schedule-A**.

Sign of bidder : -

Date : -

Name of the bidder :-

Firm's Name :-

PRICE SCHEDULE FOR 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 be made schedule wise and should include all applicable taxes. Schedule wise comparison of the quotes will be made and L1 for each item will be determined accordingly. If the rates of L1 are quoted for various items from different bidders, then 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, provided that such quoted items are not interdependent on each other. In this context, final decision of the committee will be binding to all and no claim in this 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 tender of Annual Rate Contract for Consumables or procurement of Equipment for Nephrology Department. 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:.....

Date:.....

(Signature of Bidder with seal)

Name :

Seal :

Address :

MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM

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. (Authorised Dealer/Distributor/Supplier) _____ (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