**NOTICE INVITING TENDER**

Stores Officer, Dr. R.P. Centre on behalf of Director AIIMS invites sealed tenders in two bid systems from the reputed firms/manufacturers for the purchase of following items up to 4.30P.M on or before 29/01/2013:-

<table>
<thead>
<tr>
<th>File No.</th>
<th>Name of equipment</th>
<th>Tender Fee</th>
<th>EMD</th>
</tr>
</thead>
<tbody>
<tr>
<td>145/U-1&amp;2/RPC/SSK/12-13</td>
<td>B-Scan Probe 10MHz – 1 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>146/U-1&amp;2/RPC/SSK/12-13</td>
<td>Ophthalmic Chair without panel – 2 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>147/U-1&amp;2/RPC/SSK/12-13</td>
<td>Ophthalmic Chair panel – 1 Nos.</td>
<td>100/-</td>
<td>2000/-</td>
</tr>
<tr>
<td>148/U-1&amp;2/RPC/SSK/12-13</td>
<td>Local Made Surgeon Chairs for OT – 06 Nos</td>
<td>1000/-</td>
<td>25000/-</td>
</tr>
<tr>
<td>149/U-3/RPC/SSK/12-13</td>
<td>Endothelial donor corneal punches – 300 Nos.</td>
<td>500/-</td>
<td>15000/-</td>
</tr>
<tr>
<td>150/U-3/RPC/SSK/12-13</td>
<td>Artificial anterior chamber – 100 Nos.</td>
<td>500/-</td>
<td>20000/-</td>
</tr>
<tr>
<td>151/U-4/RPC/SSK/12-13</td>
<td>Fibre Optic probe for canaleoplasty – 20 Nos.</td>
<td>100/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>152/U-4/RPC/SSK/12-13</td>
<td>UBM with B-Scan – 01 Nos.</td>
<td>1000/-</td>
<td>40000/-</td>
</tr>
<tr>
<td>153/U-4/RPC/SSK/12-13</td>
<td>Non-Contact Tonometer – 01 No.</td>
<td>100/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>154/U-4/RPC/SSK/12-13</td>
<td>Collagen Implant for Trabeculectomy – 50 Nos.</td>
<td>100/-</td>
<td>6000/-</td>
</tr>
<tr>
<td>156/U-6/RPC/SSK/12-13</td>
<td>Perimetric progression software – 01 No</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>157/OPD/RPC/SSK/12-13</td>
<td>Hand-held pediatric autoref – 02 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>158/EB/RPC/SSK/12-13</td>
<td>Eye Retrieval kit – 20 Nos.</td>
<td>500/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>159/EB/RPC/SSK/12-13</td>
<td>UV lighter - 04 Nos.</td>
<td>500/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>160/ Path/RPC/SSK/12-13</td>
<td>Cryostat – 01 No.</td>
<td>1000/-</td>
<td>50000/-</td>
</tr>
<tr>
<td>161/ Path/RPC/SSK/12-13</td>
<td>Tissue processing machine – 01 No.</td>
<td>500/-</td>
<td>15000/-</td>
</tr>
<tr>
<td>162/ Path/RPC/SSK/12-13</td>
<td>Gradient PCR – 01 No</td>
<td>100/-</td>
<td>7000/-</td>
</tr>
<tr>
<td>163/ Path/RPC/SSK/12-13</td>
<td>Electrophorisis Power Supply – 01 No</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>164/ Path/RPC/SSK/12-13</td>
<td>Bench TOP pH Meter – 01 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>165/ Path/RPC/SSK/12-13</td>
<td>Vacuum Drier (Centrifuge Evaporator) 01 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>166/Bio/RPC/SSK/12-13</td>
<td>Multi mode Microplate Reader – 01 No.</td>
<td>1000/-</td>
<td>50000/-</td>
</tr>
<tr>
<td>167/Bio/RPC/SSK/12-13</td>
<td>Refrigerated Ultracentrifuge - 01 No.</td>
<td>1000/-</td>
<td>50000/-</td>
</tr>
<tr>
<td>168/Bio/RPC/SSK/12-13</td>
<td>Ultra Micro Weighing Balance – 01 No.</td>
<td>500/-</td>
<td>20000/-</td>
</tr>
<tr>
<td>169/Bio/RPC/SSK/12-13</td>
<td>Automatic Digital Desicators – 01 Nos.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>170/Micro/RPC/SSK/12-13</td>
<td>Gel Documentation and Image Analysis System (Imported) – 01 No.</td>
<td>100/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>171/Pharma/RPC/SSK/12-13</td>
<td>Buchi type Vacuum Rotary Evaporator</td>
<td>200/-</td>
<td>10000/-</td>
</tr>
<tr>
<td>172/Pharma/RPC/SSK/12-13</td>
<td>Horizontal Gel electrophoresis – 01 No.</td>
<td>100/-</td>
<td>5000/-</td>
</tr>
<tr>
<td>173/Pharma/RPC/SSK/12-13</td>
<td>2D Gel Electrophoresis with imaging System – 01 No.</td>
<td>1000/-</td>
<td>25000/-</td>
</tr>
<tr>
<td>174/Radio/RPC/SSK/12-13</td>
<td>Portable Ultrasound color Doppler machine – 01 No.</td>
<td>500/-</td>
<td>15000/-</td>
</tr>
<tr>
<td>175/COD/RPC/SSK/12-13</td>
<td>Camera SLR D90 – 01 Nos.</td>
<td>100/-</td>
<td>3000/-</td>
</tr>
<tr>
<td>176/COD/RPC/SSK/12-13</td>
<td>High Resolution Trinocular Upright Microscope-</td>
<td>500/-</td>
<td>12000/-</td>
</tr>
</tbody>
</table>

Sale of tender forms: 28/01/2013 upto 12.30
Last date of submission: On or before 29/01/2013 up to 04.30
Opening of Tender: -
F.No. 145/U-1&2/RPC/SSK/12-13 to 160/EB/RPC/SSK/12-13 : 30/01/2013 at 11.00 AM
F.No. 161/ Path/RPC/SSK/12-13 to 176/COD/RPC/SSK/12-13 : 31/01/2013 at 11.00 AM

Contact Person : Office of Stores Officer, Room No. 180, 1st Floor, Dr. R.P. Centre, AIIMS, Ansari Nagar, New Delhi – 110 029.
Date of opening of tenders have been indicated in the tender forms. Tender forms containing detailed specifications of items along with terms and conditions can be had from the office of the Asstt. Stores Officer, Dr. R.P. Centre, AIIMS, Ansari Nagar, New Delhi against requisite Pay Order/Demand Draft towards the cost of tender forms (Non-refundable) as mentioned above in favour of the “AO, DR. R.P. C A/c for each tender form separately (Postal Orders/Cash are not acceptable).

The Bid security as mentioned above will have to be deposited through Bank Guarantee/Demand Draft drawn in favour of the “AO, DR. R.P.C A/c along with the tender. No interest is payable on Bid Security.

Tender forms will be supplied by post/per bearer on receipt of request on printed letter head along with the requisite demand draft/pay order for each tender forms separately between 2.00 P.M. to 4.30 P.M. on all full working days and on Saturday from 11.00 A.M. to 12.30 P.M. up to 28.01.2013. If the last date for sale, submission and opening of tender falls on any Government declared holidays, the next working day will be considered as last date for the same.

Please visit our website at www.AIIMS.ac.in or www.AIIMS.edu. And www.tender.gov.in for further details of this tender.

(STORES OFFICER)
Dr. R. P. Centre
Dear Sir,

1. I/We hereby submit our tender for the ______________________________


3. I/We have gone through all terms and conditions of the tender documents before submitting the same.

4. I/We hereby agree to all the terms and conditions, stipulated by the AIIMS, in this connection including delivery, warranty, penalty etc. Quotations for each group are being submitted under separate covers, and sheets and shall be considered on their face value.

5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.

6. Tenders are duly signed (No thumb impression should be affixed).

7. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the Dr. R.P. Centre, AIIMS New Delhi-29.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC, HAS BEEN INDICATED IN THE QUOTATIONS FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of Tender(s) full Address.
CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted alongwith the technical bid)

1. Certificate for being in business for more than 2 years
2. Certificate for sole ownership/partnership
3. Statement of financial standing from bankers
4. Performance report/List of organization supplied with the same equipment
5. Whether rates quoted included all taxes/Rate is a CIF
6. Whether rates are quoted as per tenders specifications
7. Authority letter from manufacturer/principal enclosed
8. Affidavit that the firm has not been black listed in the past by any hospital/Organization
9. Affidavit that the firm has no vigilance case/CBI/FEMA case pending against him/supplier(principal)
10. Affidavit that the firm is not supplying the same item at the lower rate quoted in the tender to any Govt. organization or any other Institute (Fall clause)
11. Quotation being submitted directly by the manufacturer or authorized distributor
12. Quality assurance certificate like ISI, ISO-9002, IP/BP or any other, please specify
13. Statement of turnover/annual report for each of the last three years are attached
14. Bid Security amount deposited is enclosed
15. Literature of original catalogue of the product is attached for reference
16. Details of Name of beneficiary, Account No. of the beneficiary, IFCS code of the bank/branch enclosed at Page No.
17. Comprehensive Guarantee/Warranty period for and thereafter-comprehensive AMC (including all spares & labour) YES/NO. (Tick the option YES/NO) for further years.
18. Compliance Statement with relation to specification.

(NAME OF THE BIDDER)
WITH SIGNATURE & SEAL
ANNEXURE – I

DR. RAJENDRA PRASAD CENTRE FOR OPHTHALMIC SCIENCES
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR: NEW DELHI : 110 029

(SCHEDULE-‘B’)

Subject    :    Purchase of
Date of Submission   :    On or before 28-01-2013 upto 4.30.P.M
Date of Opening   :     F. No. 145/U-1&2 to 160/EB:- 29/01/2013 at 11.00 AM
                        :     F. No. 169/Path to 176/COD: - 30/01/2013 at 11.00 AM

1. Tender should be addressed to the Chief, Dr. R.P. Centre, All India Institute of Medical
   Sciences, Ansari Nagar, New Delhi-29 and submitted to the Office of the Stores Officer, Dr.
   R.P. Centre under sealed cover failing which the tender shall be rejected. Terms and
   conditions for supply should invariably be indicated otherwise would be taken on its face
   value. The rates may be quoted on separate sheets failing which the tender(s) will be rejected.

2. Mixed quotations will not be considered for acceptance.

3. IN CASE OF THE TENDER DOCUMENTS DOWNLOADED FROM THE WEBSITE :-
   THE BIDDERS MAY DOWNLOAD THE TENDER DOCUMENTS DIRECTLY FROM
   IN SUCH CASE, THE BIDDERS ARE REQUIRED TO SUBMIT THE TENDER COST FEE
   OF Rs.          /- (NON-REFUNDABLE) BY WAY OF SEPARATE DEMAND DRAFT
   DRAWN IN FAVOUR OF “AO, Dr. RPC, AIIMS, New Delhi” AND THE SAME SHOULD
   ESSENTIALLY BE ENCLOSED ALONGWITH THE TECHNO COMMERCIAL BID. THE
   BIDDERS SHOULD SPECIFICALLY SUPERSCRIBE, “DOWNLOAD FROM THE
   WEBSITE” ON THE TOP LEFT CORNER OF THE OUTER ENVELOPE CONTAINING
   TECHNO COMMERCIAL BID & PRICE BID SEPARATELY. IN NO CASE, THE
   TENDER COST FEE SHOULD BE MIXED WITH EMD AMOUNT. THE TENDERS NOT
   FOLLOWING THE ABOVE PROCEDURE WILL BE SUMMARILY REJECTED.

4. TENDER SHOULD BE SUBMITTED IN TWO BID SYSTEM CONTAINING TWO PARTS AS
   DETAILED BELOW:
   PART-I :- TECHNO-COMMERCIAL BID IN ONE SEALED COVER WITH E.M.D.
   PART-II:- PRICE BID/ FINANCIAL BID IN ONE SEALED COVER.

   BOTH THE SEALED ENVELOPES SHOULD THEN BE PUT IN ONE OUTERCOVER
   INDICATING THEREON:
   i) Reference No. of the Tender
   ii) Tender regarding
   iii) Due date for submission of the tender :
   iv) Due date for opening of the tender :
   v) Name of the firm

   PLEASE NOTE THAT PRICES SHOULD NOT BE INDICATED IN THE TECHNO-
   COMMERCIAL BID. THE PRE-QUALIFICATION DOCUMENTS INCLUDING E.M.D./BID
   SECURITY AS REQUIRED IN THE TENDER DOCUMENT SHOULD INvariable BE
   ACCOMPANIED WITH THE TECHNO-COMMERCIAL BID.

NOTE:-    TENDERS SUBMITTED WITHOUT FOLLOWING TWO BID SYSTEM PROCEDURE
AS MENTIONED ABOVE WILL BE SUMMARILY REJECTED.
5. The tenderers should give rates, showing taxes, if any, and levies, packing forwarding and insurance charges separately giving full breakup details. The Institute is not authorized to issue ‘C/D forms’. Please exclude custom duty component in Rupee quote as the Institute is exempted from the payment of customs duty. However, exercise duty, if any, should be shown separately. Tender not conforming to this requirement shall be rejected and no correspondence will be entertained whatsoever.

6. In case of import the tenderers are required to quote FOB & CIF value separately duly mentioning the break-up details for freight & insurance. This condition should be strictly adhered to, failing which their offer will be summarily rejected.

7. The tenderers are requested to submit the following information invariably to make payment through RTGS/NEFT. “The payment in pursuance of stores supplied/services rendered/work done will be made through RTGS/NEFT & charges incurred for affecting such electronic transfers will be borne by the vendors. The details of present charges for NEFT/RTGS are as under:
   - **NEFT:**
     - Up to Rs.1 lakh – Rs.5/- per transaction
     - Rs. 1 lakh and above – Rs.25/- per transaction
   - **RTGS:**
     - Upto Rs.5 lakh – Rs.25/- per transaction
     - Rs.5 lakh and above --Rs.50/- per transaction

   To make payment through above said mode, the vendor/supplier/contracts have to submit the following information invariably:
   i. Name of the Beneficiary
   ii. Account No. of the beneficiary
   iii. IFCS Code of the Bank/Branch.

   Failing which their quotation is liable to be rejected.

8. This tender document is non-transferable.

9. The bid document should be paged and a certificate may be provided on the covering letter indicating the number of pages submitted along with the bid.

10. The compliance report of specification should invariably be provided indicating the fulfillment of each parameter of the specifications failing which the offer will be rejected.

11. The checklist may be furnished properly and page No. may be mentioned against each Serial Number.

12. The tender forms be clearly filled in ink legibly or type written giving full address of the tenderers. The tenderers should quote in figures as well as in words the rates amount tendered by him/them. Any discrepancy between the figures and words, the amount written in words will prevail. Alterations/over-writings, unless legibly attested by the tenderer, shall disqualify the tenders. The tenders should be signed by the tenderer himself/themselves or his/their authorized agent on his/their behalf (Authorization may be enclosed, if applicable).

13. The forwarding letter/undertaking (Schedule ‘A’) duly signed should invariably be returned along with quotations furnished, failing which the tender shall be rejected.

14. The tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible, no blanks should be left which would otherwise, make the tender redundant.

15. The tender rates should be kept open/valid for a period of one year from the date the tenders are opened.

16. The tenderers shall clarify/state whether he/they are manufacturer, accredited agent or sole representative indicating principals name & address. The offers of firms who are not manufacturer or direct authorized agent will be summarily rejected. Sub-distributors will not be accepted.

17. Delivery prospects with definite date of delivery at destination taking into cognizance transit facilities must be indicated.
18. EACH TENDER SHOULD BE ACCOMPANIED WITH AN EMD/BID SECURITY AMOUNTING TO Rs._________ (as indicated in the tender Notice)/- BY WAY OF DEMAND DRAFT/ BANK GUARANTEE DRAWN IN FAVOUR OF “AO, Dr. R.P. Centre, AIIMS, NEW DELHI”, (PREFERABLY BANK GUARANTEE) FAILING WHICH THE TENDER SHALL NOT BE CONSIDERED FOR ACCEPTANCE AND WILL BE OUTRIGHTLY REJECTED. IN CASE OF BANK GUARANTEE, IT SHALL BE VALID FOR ONE YEAR FROM THE DATE OF OPENING AND THE SAME SHOULD BE FROM ANY SCHEDULED BANK (AS PER THE LIST ENCLOSED). CASH/CHEQUE/FDR IS NOT ACCEPTABLE AT ALL. THE EMD/BID SECURITY DEPOSITED AGAINST OTHER TENDERS CANNOT BE ADJUSTED OR CONSIDERED FOR THIS TENDER. NO INTEREST IS PAYABLE ON EMD/BID SECURITY.

19. If the delivery is not effected on due date, the Director, AIIMS, N. Delhi will have the right to impose penalty as under:
   A) First extension for one month or part thereof _______________________________@2%.
   B) Second extension for an additional month or part thereof._____________________@ 3%

20. In case of non supply of Stores within the due date i.e. within the date of delivery, the Director, AIIMS, New Delhi will have the right to impose penalty, as deemed fit, to resort to risk purchase in full or part thereof at his/her discretion, his/her decision shall be final and binding.

21. SOFTWARE AND HARDWARE UPGRADEATION
   The selected firm for the supply of tendered item will have to provide free up-gradation of software (all update & upgrades) upto 5 years from the date of satisfactory installation.

22. Rates quoted should be valid for 12 months from the date of opening of tender.

23. THE TENDERERS MAY BE REQUIRED TO DEMONSTRATE THE QUOTED MODEL OF THE EQUIPMENT DURING THE TECHNICAL EVALUATION, IF REQUIRED, FAILING WHICH THEIR BIDS/OFFER SHALL BE REJECTED. The firms are intimated that they should get ready for demonstration and only one-week time will be provided for arrangement of demonstration and no request for extending time for demonstration will be entertained. Failure to demonstrate, their offer will be summarily rejected.

24. Any other statutory levy imposed by the Govt. of India from time to time will be authorized extra on demand with adequate proof thereof will be paid extra.

25. Force meajure will be accepted on adequate proof thereof.

26. The Chief, Dr. R.P. Centre, AIIMS New Delhi shall be the final authority to reject full or any part of the supply which is not confirming to the specification and other terms and conditions.

27. No payment shall be made for rejected Stores. Rejected items must be removed by the tenderers within two weeks of the date of rejection at their own cost and replace immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

28. The Chief, Dr. R.P. Centre, AIIMS, reserves the right to cancel/reject full or any part of the tender which do not fulfill the conditions stipulated in the tender.

29. Tenderers submitting tenders would be considered to have considered and accepted all the terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.

30. TENDER MAY BE REJECTED IF THE COPY OF VALUE ADDED TAX (VAT) REGISTRATION IS NOT FURNISHED (IF APPLICABLE).

31. The quantity shown in the tender can be increased or decreased to any extent depending upon the actual requirement.

32. Any action on the part of the tenderer to influence anybody in the said Institute will be taken as an offence, he will not be allowed to participate in the tender enquiry and their offer will not be considered.

33. Material confirming to the specifications should be quoted. Original Catalogue, Leaflets, literatures with full technical details should invariably be attached along with their offer, failing which their offer will be summarily rejected.

34. THE TENDERERS MUST QUOT THEIR MODEL STRICTLY AS PER TENDER SPECIFICATIONS.
35. Genuine equipments and instruments etc., should be supplied. Tenderers should indicate the source of supply i.e. name & address of the manufacturers from whom the items are to be imported, country of origin, country of Shipment etc.

36. The quoted equipment should preferably be of Indian/International standards.

37. The tenderers are required to quote the mode of shipment by Air/Sea/Airport Parcel and should give separate breakup of freight and Insurance Charges.

38. Supply of equipment means-Installation and Commissioning at site. No separate charges will be paid separately on this account.

39. **UP TIME GUARANTEE:**

   The firm should provide uptime guarantee of 95%.

40. **Downtime penalty Clause**

   40.1 During the Guarantee/warranty period, desired uptime of 95% of 365 days (24 hrs) if downtime more than 5% the institute shall be entitled to impose penalty equal to amount of 0.5% of the total cost of the equipment per day for the first seven days will be payable by the vendor which will doubled on subsequent weeks along with extension of warranty period by the excess down time period. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least **FIVE YEARS** after handing over the unit to the Institute. If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the AMC from the third party separately along with the main offer and the third party will have to sign the AMC with the Institute if required.

   In no case instrument should remain in non-working condition for more than 7 days, beyond which a penalty of 2% of machine cost will be charged per day.

40.2 The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

41. **GUARANTEE/WARRANTY PERIOD: FOR THE EQUIPMENT VALUE UPTO RS. 5 LAKH**

   41.1 THE TENDERERS MUST QUOTE FOR 2 YEARS COMPREHENSIVE WARRANTY (INCLUDING ALL SPARES, ACCESSORIES AND LABOR) 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 AMC (INCLUDING ALL SPARES, ACCESSORIES AND LABOR). 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.

41.2.

41.3. **GUARANTEE/WARRANTY PERIOD: FOR VALUE OF EQUIPMENTS ABOVE RS. 5 LAKH**

   THE TENDERERS MUST QUOTE FOR 5 (Five Years) YEARS COMPREHENSIVE WARRANTY (INCLUDING ALL SPARES, ACCESSORIES AND LABOR) 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 (Five Years) YEARS COMPREHENSIVE AMC (INCLUDING ALL SPARES, ACCESSORIES AND LABOR). 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.

42 **Delivery:** The successful bidders should strictly adhere to the following delivery schedule supply, installation & Commissioning should be effected within 6 to 8 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.

43 **SPARE PARTS:** The separate price list of all spares and accessories and consumables, if any, (Including minor) required for maintenance and repairs in future after guarantee/warranty period must be attached/enclosed along with the sealed quotation failing which quotation will not be considered.
If any spares & accessories other than the price list attached/enclosed by the firm are required for future repair it will be borne by the firm only.

The tenderers are required to furnish the list of spares along with their cost in the Financial bid failing which their bids are liable to be rejected.

The tenderer shall furnish a non-blacklisting certificate that the firm has not been blacklisted in the past by any government/Private institution. The tenderer/supplier has to give an affidavit on non-judicial stamp paper of Rs.10/- that there is no vigilance/CBI case pending against the firm/supplier and the firm has not been blacklisted in the past by any Govt. or Private Organization.

Payment of Agency Commission, if any, payable in rupees must be indicated. If no Agency Commission is admissible from the foreign suppliers must be indicated specifically.

Tenderers should clearly indicate the name of the Manufacturers/Beneficiary of the Letter of Credit, country of Origin, place of shipment/Airfreightment, etc.

Local agents quoting on behalf of their foreign suppliers must attach valid authority letter in their favour. In case of distributor, the firm should be direct distributor from the principal’s. Either the Foreign Principals/manufacturers or their authorized Indian Agent should participate in the tender but not both. Also one agent cannot represent two suppliers or quote on their behalf in the same tender. The sub-distributor authority by distributor will not be accepted at all. In case the firm is neither manufacturer nor direct authorized dealer of the manufacturer, such offers will be summarily rejected.

SUCCESSFUL TENDERERS WILL HAVE TO FURNISH PERFORMANCE BANK GUARANTEE FOR 10% CONTRACT VALUE FROM ANY SCHEDULED BANK (AS PER THE LIST ENCLOSED) VALID FOR THE WARRANTY PERIOD AND TWO MONTHS EXTRA alongwith the final proforma Invoice.

The rates quoted for the Stores/Equipments, under the reference, by the supplier shall in no event exceed the lowest price at which the suppliers of the Stores/Equipments of identical description are made to any other person/organization/Institution during the period and should attach an undertaking.

FALL CLAUSE

1 If, at any time, during the said period, the supplier reduce the said prices of such Stores/Equipment or sales such stores to any other person/organization/Institution at a price lower than the chargeable, he shall forthwith notify such reduction or sale to the Director, AIIMS and the price payable for the Stores supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

Successful tenderers, should give pre-alert intimation prior to shipment notifying both the nominated clearing agents as well as the Institute.

The supplier shall furnish the following certificate to the Accounts Officer alongwith each bill for payment for supplies made against in Rate Contract Tender.

“I/We certify that the Stores of description identical to the Stores supplied to the government under the contract against Tender herein have not been offered/sold by me/us to any other person/organization/Institution upto date of bill/the date of completion of supplies against all supply orders placed during the currency of the tender/rate contract at the price lower than the institute under contract/against tender”.

The supplier shall furnish a list of organizations where the equipment, in question, has/have been supplied with the period during the last one year and performance certificate from such organization may also be provided.

THE GOODS MUST INvariably BE CONSIGNED THROUGH OUR NOMINATED FREIGHT FORWARDERS INDICATED IN THE SUPPLY ORDER, in case of imported item.

A) PAYMENT TERMS (IN CASE OF IMPORTS)

1) Agency Commission will be paid to Indian agents in Indian Rupees, after satisfactory installation of equipment.

2) Letter of Credit will be opened on CIF value, as the case may be, for full amount after deducting the Agency commission/Technical Service Charges.

3) 100% payment shall be released against presentation of shipping documents against a performance Bank Guarantee valid for a period of 26 months from the date of satisfactory Installation certificate issued by the user department for 10% value from any Scheduled Bank (as per the list enclosed) along with final proforma Invoice. In absence of Performance Bank Guarantee, 90% payment will be released against presentation of shipping documents & balance 10% payment will be released after satisfactory Installation certificate issued by the user department and against submission of Performance Bank Guarantee of 10% order value valid for a period of 26 months from the dated of satisfactory Installation certificate issued by the user department.

B) PAYMENT TERMS (IN CASE OF RUPEE OFFER)

100% PAYMENT WILL BE MADE AFTER SUPPLY, installation & satisfactory demonstration of the said equipment subject to submission of Performance Bank Guarantee for 10% order value valid for a period of 26 months from the date of satisfactory Installation certificate issued by the user department, from any Scheduled Bank (as per list enclosed), FALLING WHICH, 90% PAYMENT WILL BE RELEASED AFTER INSTALLATION & BALANCE 10% PAYMENT WILL BE RELEASED AFTER WARRANTY PERIOD, or earlier against submission of Performance Bank Guarantee of 10% order value valid for a period of 26 months from the date of satisfactory Installation certificate issued by the user department.

C) Payment shall be made through Electronic Clearing System only and the charges shall be deducted from the bill.
### Section XV

**List of Scheduled Banks**

#### A. Nationalized Banks

1. Allahabad Bank
2. Andhra Bank
3. Bank of Baroda
4. Bank of India
5. Bank of Maharashtra
6. Canara Bank
7. Central Bank of India
8. Corporation Bank
9. Dena Bank
10. Indian Bank
11. Indian Overseas Bank
12. New Bank of India
13. Oriental Bank of Commerce
14. Punjab National Bank
15. Punjab & Sind Bank
16. Syndicate Bank
17. Union Bank
18. UCO Bank
19. United Bank of India
20. Vijaya Bank

#### B. State Bank of India and its Associated Banks

21. State Bank of India
22. State Bank of Bikaner & Jaipur
23. State Bank of Hyderabad
24. State Bank of Indore
25. State Bank of Mysore
26. State Bank of Patiala
27. State Bank of Saurashtra
28. State Bank of Travancore

#### C. Private Sector Banks

29. Bank of Madura Ltd., Madurai
30. Bank of Rajasthan Ltd., Udaipur
31. Bareilly Corporation Bank Ltd., Bareilly
32. Banaras State Bank Ltd., Banaras
33. Bharat Overseas Bank Ltd., Madras
34. Catholic Syrian Bank Ltd., Trichur
35. Dhanalakshmi Bank Ltd., Alwaye
36. Jammu & Kashmir Bank Ltd., Srinagar
37. Federal Bank Ltd., Alwaye
38. Karnataka Bank Ltd., Mangalore
39. Karur Vysya Bank Ltd.,
40. Gty Union Bank Ltd.,
41. Lakshmi Vikes Bank Ltd.,
42. Lord Krishna Bank Ltd., Kodangallur
43. Nainital Bank Ltd., Nainital
44. Nedungadi Bank Ltd.,
45. Punjab Co-operative Bank Ltd., Amritsar
46. Rattraker Bank Ltd.,
47. Sangli Bank Ltd.,
48. South Indian Bank Ltd., Trichur
49. Tamilnadu Mercantile Bank Ltd.
50. United Western Bank Ltd.,
51. Vysya Bank Ltd., Bangalore

#### D. Foreign Banks

52. ABN AMRO Bank N.V.
53. American Express Bank Ltd.,
54. Bank of American National Trust
55. Banque Nationale de Paris
56. Bank of Tokyo Ltd.
57. British Bank of the Middle East
58. Standard Chartered Bank
59. Citi Bank NA
60. ANZ Grindlays Bank Ltd.,
61. The Sakura Bank Ltd.,
62. Sonali Bank
63. Deutsche Bank A G
64. Bank of Oman Ltd.,
65. Abu Dhabi Commercial Bank Ltd.,
66. Banque Indosuez
67. Bank of Nova Scotia, Toronto
68. Societe General, Paris
69. Oman International Bank, S.A.G.O.
70. Bank of Bahrain and Kuwait (B.S.C)
71. Hongkong & Shanghai Banking Corporation Ltd.
72. Credit
73. Barelays Bank P/r.
74. Sanwa Bank, Tokyo

#### E. Non-Scheduled Bank

75. Kashi Nath Seth Bank Ltd.
76. Bari Poab Bank Ltd.,
77. General Bank of Kurudwad Ltd.

The list of banks is subject to change as and when Reserve Bank of India notifies any change in the list.
F.No.145/U-1&2/RPC/SSK/12-13

B-Scan Probe 10 MHz – 1 Nos.
F.No.146/U-1&2/RPC/SSK/12-13

Ophthalmic Chair without panel – 2 Nos.
F. No. 147/U-1&2/RPC/SSK/12-13

Ophthalmic Chair panel – 1 Nos.
Local Made Surgeon Chairs for OT – 06 Nos.

Cushioned Chair with arm rests (Swiveling facility) with hydraulic up/ down facility
Heavy floor stand with swivel & wheels
Endothelial donor corneal punches – 300 Nos.

Disposable, single ready to use donor corneal punches with the cutting block base having four holes in the base of the block and four steel guide posts at the edges for corneal transplantation with trephine diameters as follows:

**Numbers required**
- 8mm diameter-100
- 7.5mm diameter-100
- 7.25mm diameter-100
- 7.0mm diameter-100
Artificial Anterior Chamber – 100 Nos.

Single use disposable artificial anterior chamber with three pieces: base with tissue pedestal, tissue retainer and locking ring. The base should have provision for silicone tubing, in-line pinch clamps and female Luer Lok connectors. The port should allow injection of viscoelastic, balanced salt solution or air beneath donor cornea. The firm should submit the sample and selection will be based on technical performance.
151/U-4/RPC/SSK/12-13

Fibre Optic Probe for Canaloplasty – 20 Nos.

Disposable fiber – optic probe for intubation of schlemms canal 40 G
UBM with B-Scan

A. Transducer Frequencies:
   - B Scan Probe: 10 MHz
     - 20 MHz
   - UBM Probe: 35 MHz
     - 50 MHz

B. Probe characteristics (10 MHz):
   - Lateral Resolution: 0.0963 cm +/- 10%
   - Axial Resolution: 0.190 mm +/- 10%
   - Focal Length: 13 – 35 mm (Focal Point 20 mm ± 2m)
   - Maximum Frame Rate: 10 FPS
   - Maximum Scan Angle: 60°
   - Depth of Field: 80 mm @ 0.5 magnification

C. Measurement Accuracy all Probes:
   - Distance Accuracy:
     - B-Mode: 0.07 mm
     - UBM – Mode: 0.019 mm
   - Angle Accuracy: 0.5°

D. Scan Characteristics:
   - UBM: Scan Rate: 22FPS
   - Sampling Resolution: 19 um
   - Scan Width: 17.0 mm @ Focal Point
   - Scan Height: 10mm
   - Scan Delay (top of image): 7mm
B Scan: Scan Rate: 10FPS

Scan Angle: 60° +/-0.5%
Scan Depth: 60 mm +/- 10%

E. Display Monitor / Resolution:
   Display Monitor
   Maximum Resolution: 1280 X 1024
   UBM Image Depth/Width: 512 x 1024
   B Scan Image Depth/Width: 512 x 1024
   UBM Display in grayscale and color palette.

F. Display Functions:
   Multiple Calipers, including Arbitrary A-Scan. This unique function provides a very precise tool to measure
   distances on microns scale. The user defines a line crossing the structures to be measured and the tool provides an
   A Scan Vector overlay to help identify precisely the interfaces. Finally 2 measuring gates allows to measure in
   microns.
   Angle Measurement
   Area Zoom
   Pro 2000 (Ishikawa Algorithm)

G. Image Capture:
   Video on the images captured. It saves every frame captured by the grabber which can be played back later as a
   sequence looking like a video clip. Once analyzed, the sequence can be exported as an AVI file to be seen on any
   compatible computer.
   BMP, RLE, or JPG Photo Formats AVI Movies Format

H. Image Functions
   Exclusive proprietary algorithm “Focus” based on the principle of deconvolution, allowing increasing the
   resolution to 19 microns (size of a pixel)

   Exclusive E-Gain (exponential gain), which provides a selective amplification of the pure interfaces (echoes)
   keeping background noise on a low level.

   Unique presets which allows the unit to run with the appropriate settings depending the area or function the
   user is willing to explore. They are “Sulcus to Sulcus”, “High Resolution”, Angle Detail” and “Motion Picture”.

   Unique Pro 2000 Post processing image analysis algorithm to make an objective anterior chamber angle
   evaluation. It provides data like ARA (Angle Recess Area), SS to IR (sclera Spur to Iris Root), AOD (Angle opening
   Distance) at 250 and 500 microns form the sclera Spur. It also provides a graphical display showing the progression of
   the angle aperture and distances from the endothelium to the anterior Iris surfaces.

I. Image Storage: x 160 GB, IDE Hard Drive
   512K (BMP)
   256K (RLE)
   32K (JPG)

J. Input/Out Connectors:
   Front Panel: Microphone
   Head Phone
   2USB
   Back Panel: 4 USB
   Ether Net
   Speaker
   Microphone
K. Human Interface Devices:
   Keyboard
   Mouse/Trackball Combo
   Three-button Footswitch, which permits complete control of all the functions meanwhile the user keeps both the hands occupied on the exam

L. AC Input Voltage: 90-132VAC or 180-264VAC
   Scan Conversion
   Maximum Frames per second: 22 FPS
   Vector per Frame: 256 Rays
   Samples per Vector: 1024

O. Accessories:
   50 MHz Transducer
   35 MHz Transducer (standard)
   20 MHz Probe
   10 MHz Probe
   Water Bath Probe with cable (Standard)
   Photo Printer
   Scan Cap Kit
   Mobile Cart (Optional)
   Console (CPU)
   Probe Cable
   Foot Switch
   USB Video Printer
   Goose Neck Gantry arm with probe holder
Non-Contact Tonometer – 01 Nos.

Height : 1975 in (50.2 cm)
Width : 10.5 in (26.7 cm)
Depth : 14 in (35.6 cm)
Weight : 23 lbs (10.4 kg)
Voltage : 100/240 VAC
Frequency : 50/60 Hz
Measurement Range: 7-60 mm Hg (ISO 8612 Tonometer Standard)

FEATURES:
Easy to use, touch screen icon based user interface
No chinrest, joystick, or elevation controls
Patients simply lean against the forehead rest
Alignment is completely automated
One-touch, triple-measurement mode
Clearly displays all measurement data
Internal printer simplifies record keeping
Electronic data transfer via USB port
Collagen Implant for Trabeculectomy – 50 Nos.

A biodegradable and implantable scaffold matrix, inducing a regenerative non-scarring wound healing process for implantation under the conjunctiva during trabeculectomy.

Description:
Collagen-glycosaminoglycan scaffold Matrix
Pore diameter 10-300
Size 6 mm diameter X 2mm height
Perimetric Progression Software – 01 Nos.

PROGRESSOR software
It is a software that analyses visual field progression in glaucoma patients. Provides a bar chart for each test location.
Objective should measure corneal astigmatism. Measurable range sphere $\geq$ plus/minus 20D, Cyl $\geq$ 10D, Axis 0 to 180, min. pupil size 2.0, 2.3mm, vertex dist. 10.5, 12.0, 13.5, preferably with IOL mode and print out facility. Light in weight, operable with one hand.
Eye Retrieval Kit – 20 Nos.

The kit should have following items with best features:-

- Enucleation spoon
- Enucleation scissors
- Artry clamp
- Speculum
- Fixation Forceps
- Muscle Hook
- Tenotomy
- Scissors
- Swab sticks
- Plain forceps
- Conjuctival Scissors
- Lims forceps
UV Lighter – 04 Nos.

The UV light should have following features:

- 230W TUV Amalgam XPT lamps
- Single lamp operation possible
- The UV light should have 100% stress testing minimizing 0-hour failures
- Protection against voltage peaks
Cryostat – 01 Nos.

- The Instrument should be free-standing motorized open top with independent specimen temperature control via Two separate compressor system.
- Convenient section thickness selection from outside the cryo-chamber.
- Section thickness range : 0.5 to 300 um.
- Temperature setting range –10 deg. To –50 deg. C.
- Cryo-chamber temperature setting down upto –40 deg. C.
- Specimen retraction : 50 um.
- Vertical Specimen Stroke : 50 mm
- Programmable Trimming : 5 to 150 um, in steps of 5, 10, 30, 50, 100 &150 um.
- Window setting for cutting length.
- Should have foot switch as well as buttons at control panel for motorized cutting.
- Manual as well as programmable automatic 24 hours defrost cycle.
- Universal Knife holder base, holder for disposable blades, disposable blades.
Tissue Processing Machine – 01 Nos.

- Carousel type with 12 stations of 1.8 litre each; 10 reagent stations, 2 wax baths.
- Metal tissue basket having less base diameter compared to upper diameter 200, cassettes capacity.
- Delayed start function up to 9 days.
- 9 freely selectable programme.
- Possibility of interrupting an automatic process for reloading or removing cassettes.
Gradient PCR – 01 Nos.

Thermal Cycler:
- Temperature range: 0-99°C
- Ports: 2 USB
- Memory: 400 typical programs

Gradient:
- Gradient range: 35-99°C
- Temperature differential: 1-16°C
Electrophorisis Power Supply – 01 Nos.

- Output type: constant voltage or constant current with automatic cross over
- Output voltage: 10-300VDC
- Output current: 4 to 400mA
- Increments: 1mA
- Timer: 0 to 999 minutes
- Display: 3 digit LED
- Output terminals: Four
- Dimensions: 13x8.7x2.9 in / 33x22x7.4cm
- Weight: 1.9Kg/4.2lb
Bench Top pH meter – 01 Nos.

- Bench top PH meter UB-5:Ph/temperature,
- Simple one button standerization with ph range 0.00-14.00.
- Auto buffer recognition from 3 sets of 16 buffers, resolution 0.001 ph, accuracy 0.005 ph,
- Automatic temperature compensation and temperature range 0.0-100 C ,
- Resolution 0.1 C, Accuracy 0.2 C,
- Unit Dimensions (LXWXH); 9.0X4.8X3.1 (229X122X79mm)
Vacuum Drier (Cetrifuge Evaporator) – 01 Nos.

- Centrifugal speed: 1800 rpm (400xg)
- Temperature range: 30 to 60oC
- Lowest vacuum: 5mbar.
- Dimensions: 12.8x23x14H in
- Integrated centrifugal concentrator with Teflon
- Membrane pump and rotor for 24x1.5ml/48x.5ml tubes
166/Bio/RPC/SSK/12-13

Multimode Microplate Reader – 01 Nos.

1. System should have a Dual Monochromator based Multi detection microplate reader with five following detection modes:
   (a). Fluorescence Intensity (Top & Bottom)
   (b). TRF
   (c). HTRF
   (d). UV-Vis Absorbance
   (e). Fluorescence’s Polarization
   (f). Glow Luminescence detection

2. General Photometric Performance
   (a). Plate formats : 6, 12, 24, 48, 96, 384 wells and Cuvette Ports for Abs, FI Luminescence Mode
   (b). Light Source : Xenon Flash Lamp (1joule / flash)
   (c). Detector : 2 Photomultiplier tubes or better
   (d). Read time (i) 96-well : Abs-18, FI-17, FP-42, TRF-17 & Lum-2 Sec
       (ii) 384-well : Abs-49, FI-48, FP-2:03, TRF-48 & Lum-7 Sec
   (e). Shaker Time : 0 to 999 seconds
   (f). Temp Control : 2 ⁰C above ambient to 60 ⁰C
   (g). Temp Uniformity : < 1⁰C at 37 ⁰C set point
   (h). Temp Accuracy : ± 1 Deg C at 37 Deg C set point
   (i). Reading Modes : End Point reading / Kinetic reading / Spectral, Scanning for all modes
   (j). Well Scanning : Abs, FI, TRF, Lum

3. Absorbance Photometric Performance
   (a). Reading Capabilities : Cuvette and Microplate
   (b). Wavelength range : 200-1000nm
   (c). Wavelength selection : Monochromator, tunable in 1nm increments
   (d). Wavelength bandwidth : ≤4.0nm
   (e). Wavelength accuracy : ± 2.0nm
   (f). Wavelength repeatability : ± 0.2nm
   (g). Photometric range : 0 to 4.0 OD
   (h). Photometric Resolution : 0.001 OD
   (i). Photometric Accuracy (Microplate) : < ± 0.006 OD ± 1.0 %, 0-2OD
   (j). Photometric Accuracy (Cuvette) : < ± 0.005 OD ± 1.0 %, 0-2 OD
   (k). Photometric precision : < ± 0.003 OD ± 1.0 %,0-2 OD

4. Fluorescence Intensity Top and Bottom Reading Performance :
   (a). Reading capabilities : Cuvette or top or bottom of a Microplate
   (b). Wavelength range : 250 – 850nm
   (c). Wavelength Selection : Monochromators, tunable in 1nm increments
   (d). Bandwidth (EX, EM) : 9 nm, 15 nm
   (e). Sensitivity : ≤ 1 pM fluorescein in 96 wells < 1.5 pM in 384 wells.
5. Time Resolved Fluorescence

(a). Reading capabilities : Top or Bottom of a Microplate
(b). Wavelength range : 250–850nm
(c). Wavelength selection : Monochromators, tunable in 1nm increments
(d). Bandwidth (EX,EM) : 9nm, 15nm
(e). Precision Data Collection : 1–100 flashes, delay of 0-600 µ.sec before read, integration time selectable between 50 -1500 µ.sec.
(f). Sensitivity : 10 fM europium in 96 or 384 wells with top-read.

5. Fluorescence Polarization Performance:

(a). Wavelength range : 300 – 750nm
(b). Wavelength Selection : Monochromators, tunable in 1nm increments
(c). Bandwidth (EX, EM) : 9nm, 15nm
(d). Precision : < 5 mP Standard Deviation at1nm Fluorescein in 96 and 384 wells

6. HTRF : System should be Certified for CIS Bio HTRF Assays

7. Luminescence Performance

(a). Reading capabilities : Cuvette, Top and Bottom of a Microplate
(b). Wavelength range : 250 – 850nm
(c). Wavelength selection : all wavelength or with selected Wavelengths
(d). Sensitivity : ≤ 43 pM ATP in 96 wells
(e). Cross-talk : < 0.3 % in white 96- and 384-well Microplate

8. System should have in-built triple mode cuvette ports for Absorbance, FI and Luminescence, in a single system.

9. System should be capable of measuring end-points, kinetics, spectrum scanning, well scanning for all the modes.

10. System should have AutoPMT settings that adjust the optimum voltage for each well’s sample concentration and then normalizes the raw data to show relative RFU values.

11. System should have temperature-independent Path-Check Capability to normalize the results of the wells of the plate as that of cuvette.

12. Data Acquisition: Software integrated system which provides data acquisition, analysis and management capabilities, allowing cross-plate analysis and custom calculations. Software should have 120 in-built protocols.

13. Suitable branded computer with all accessories

14. Onsite application training of all project staff and continuous technical support from qualified application scientist & service engineers should be provided by vendor.

Instructions:

- The selection committee reserves the rights to select the instrument based upon the suitability and sensitivity applicable for the utility for which this instrument would be purchased based on the performance details provided.
- Vendors are instructed to follow the exact sequence of items as listed/ mentioned in the tender specification sheet/s for quoting their tender. The quoted tender for technical bid and price bid will be summarily rejected, if the quoted specification compliance sheet/s not found according to the sequence of the items as listed in the tender specification.
- Please quote only for New Branded machine/s. If it will be find during any period of time that Refurbished/Repaired/Second Hand instruments has supplied and installed instead of new branded machines, an immediate action will be taken against the distributor/ manufacture as per the rules and regulations of AIIMS. And
both distributor and manufacturer will be black listed for forever for supplying any kind of instruments to the Government’s Research Organization, Hospitals, Laboratories etc. in any where in India.

- Relevant literature and publications that support the quoted model's ability to perform all of the above capabilities must be attached.
- The entire tender specifications claim about the instrument quoted need to be supported with technical specifications published in manufacturer’s technical bulletin/technical notes/technical brochure etc., which must be attached to prove their specification claim, without which it will be assumed that claim is not correct and cannot be considered for technical comparison. Quoted specifications will also be verified from the manufacturer's website.
- A detailed specification sheet highlighting all above specs along with detailed experimental conditions must be attached.
- If required the vendor must be able to demonstrate to the person(s) deputed by the selection committee (along with the experimental conditions decided) to ensure the sensitivity/resolution claims of their make of equipment before opening the financial bid.
- Spares should be given in adequate numbers to maintain 5 years trouble free consumable spare maintenance.
- Please mention about the superior performance details of any unique technology adopted/ design which is protected by intellectual property rights (give patent details) to support the claim of the manufacturer of the instrument.
167/Bio/RPC/SSK/12-13

Refrigerated Ultracentrifuge – 01 Nos.

1. Maximum Speed : 1,40,000 rpm or better
2. Maximum RCF : 10,00,000 g or better
3. Noise Level : 50 db or better
4. Speed Control Accuracy : ±50 rpm or better
5. Display : Touch sensitive LCD or better technology
6. Rotor Temperature Control : 0 – 40 0C or better
7. Timer: 1min to 80 hrs or better & 50 min with hold function with Real Time Control function
8. Heat radiation rate : 1 kw or better
9. Imbalance protection : 5 mm by visual check
10. Quick startup : Within 8 Sec
11. Vacuum system: Oil rotary vacuum with oil diffusion pump
12. Cooling system: HFC free
13. System should be Floor Model with very low noise design
14. Rotor with Tubes :
   (a). 0.5 ml x 30 tubes (Fixed angle)
   (b). 10 ml x 8 tubes ((Fixed angle)
   (c). 1.5 ml x 12 tubes (Fixed angle)
   (d). 2 ml x 8 tubes (Neo angle)
   (e). 7 ml x 4 tubes (Swing out)

Instructions

➢ The selection committee reserves the rights to select the instrument based upon the suitability and sensitivity applicable for the utility for which this instrument would be purchased based on the performance details provided.
➢ Vendors are instructed to follow the exact sequence of items as listed/ mentioned in the tender specification sheet/s for quoting their tender. The quoted tender for technical bid and price bid will be summarily rejected, if the quoted specification compliance sheet/s not found according to the sequence of the items as listed in the tender specification.
➢ Please quote only for New Branded machine/s. If it will be find during any period of time that Refurbished/Repaired/Second Hand instruments has supplied and installed instead of new branded machines, an immediate action will be taken against the distributor/ manufacture as per the rules and regulations of AIIMS. And both distributor and manufacturer will be black listed for forever for supplying any kind of instruments to the Government’s Research Organization, Hospitals, Laboratories etc. in any where in India.
➢ The entire tender specifications claim about the instrument quoted need to be supported with technical specifications published in manufacturer’s technical bulletin/technical notes/technical brochure etc., which must be attached to prove their specification claim, without which it will be assumed that claim is not correct and cannot be considered for technical comparison. Quoted specifications will also be verified from the manufacturer’s website.
➢ If required the vendor must be able to demonstrate to the person(s) deputed by the selection committee (along with the experimental conditions decided) to ensure the sensitivity/resolution claims of their make of equipment before opening the financial bid.

➢ Spares should be given in adequate numbers to maintain 5 years trouble free consumable spare maintenance.

➢ Please mention about the superior performance details of any unique technology adopted/design which is protected by intellectual property rights (give patent details) to support the claim of the manufacturer of the instrument.

168/Bio/RPC/SSK/12-13

Ultra Micro Weighing Balance – 01 Nos.

1. Capacity x Readability : 2.1 g x 0.1 µg
2. Repeatability : ± 0.25 µg
3. Linearity : ± 0.4 µg
4. Response Time : 10 seconds
5. Tare Range : 2.1 grams
6. Sensitivity Drift : ± 1 ppm / °C
7. Calibration : internal

169/Bio/RPC/SSK/12-13

Automatic Digital Desiccators – 01 Nos.

1. Readability : 0.01mg
2. Weighing capacity : 220 g
3. Average stabilization time : 2 sec
4. Average response time : 6 sec
5. Repeatability [mg] : 0-20 g: 0.015
6. Linearity : 0.1
7. Minimum sample weight : 0.04 g or better

170/Micro/RPC/SSK/12-13

Gel Documentation and Image Analysis System (Imported) -01 Nos.

1. GLP compliant Fully Automated Microprocessor based computer controlled Gel Documentation & Image analysis system
2. CCD Camera with 16-bit performance (not through file generation) and motorized zoom lens (10 X) with close-up facility.
3. Fully enclosed camera/lens assembly for minimizing the risk of cross contamination of hazardous chemicals between users
4. Computer controlled motorized filter wheel with filters for EtBr, SyGr, Comassie blue, pink and silver stains, Acridine Orange, Sypro orange and EGFP.
5. Fully Microprocessor controlled darkroom with openable front door and dual epi-white light.
6. UV lighting System employing technology to prevent banding effect for gel size of 20 x 30 cm. and variable intensity
7. Fold down white light pad for viewing protein gels and other white light applications
8. Neutral Fielding to automatically eliminate uneven light illumination and lens distortion effects
9. Integral Image Browser to keep trac of all images in all formats
10. Analysis Software with Automatic band matching facility and FREE life time upgradation
11. Database Software for Genomic fingerprinting studies and cluster analysis with FREE lifetime upgradation.
12. Pentium IV PC (With latest and high configurations to be decided at installation) and UPS system for the PC
13. Photo quality Epson Inkjet Printer/Thermal printer for production of high quality B/W images
15. Stabilizer should be provided if the machine is unstable at fluctuating power supply.
16. Warranty: 5 years comprehensive including spares
17. Penalty Clause: In no case instrument should remain not working condition for more than 7 days, beyond which a penalty of 2% of machine cost will be charged per day.

Buchi Type Vacuum Rotary Evaporator

Digital vapor temperature and rotation speed display
• PTFE composite vacuum seal for long service life and effective sealing
• Integrated vacuum controllers and run preset time/pressure gradients
• Motorized, quick-action servo-jack to raise and lower glassware
• Wide-range, PTFE-coated 4L heating bath, with digital temperature display, uses oil or water, 20 to 180°C (68 to 356 F)
• Should have insulated heating bath, plastic-coated glassware, and optional remote control and safety shield to ensure safety.
• Process samples from 50 mL to 3 L

172/Pharma/RPC/SSK/12-13

Horizontal Gel Electrophoresis – 01 Nos.

1. A horizontal electrophoresis system should be able to run the gel size of 7x10cm & 7 x 7cm in the same tank with safety lid.
2. A system should include UV transparent gel trays of size 7x10 & 7x7cm with integrated fluorescent ruler.
3. A system should include tape free gel casting module for leak free operations.
4. A system should also have an option of using casting gates to allow hassle free casting of gels directly in the electrophoresis cells.
5. A system should include two 1.5mm 8- & 15-well fixed height combs.
6. A system should have the option for adjustable height combs with comb holders.
7. Should have a provision of replacing the electrodes as & when required.

173/Pharma/RPC/SSK/12-13

2D Gel Electrophoresis with imaging System – 01 Nos.

Specifications
Complete system to separate, quantitate, characterize, visualize and analyze proteins in biological samples. System should have following features:
A) Isoelectric focusing unit (1st Dimension):

- System should include 12 different Individual Lane Control for running different samples, pH Gradients and focusing protocols in a single run with different protocols.
- Software Interface for creating and editing protocols and setting up the program rapidly.
- Provision to interface with website for online data interpretation.
- Must provide flexibility to run IPG strips gel side up, gel side down and with cup loading configuration.
- System should have voltage 0–10,000 V, 1 V increments(50-10000V) or better
- Current range should be 0–100 μA per lane at 1 μA intervals or better
- System should have peltier based cooling platform.
- Temperature range should be 10–25°C ±1.0°C @ max ambient 23°C and 18–25°C ±1.0°C @ max ambient 31°C.
- Focusing trays should be made of polycarbonate for contamination free process.
- System should be capable of simultaneously running minimum 12 IPG strips of various lengths like 7, 11, 13, 17, 18, and 24 cm.
- System should have ramping Step, linear, gradual, and hold voltage ramping for each focusing step. Hold mode as a final step to prevent diffusion when IEF is complete.

State-of the art Computer (if required to run the software) along with laser printer with UPS must be quoted along with the system

B) SDS-PAGE Electrophoresis unit (2nd Dimension):

   For Mini gels
   - (7 cm) capable of running 2 mini gels simultaneously
   - Capable of running hand cast as well as precast gel.
   - Separate running and casting module
   - Capable of using blotting module to do western blotting.
   - Leak proof, tape free and easy to assemble
   - Wet transfer blotting module of gel size should be provided

   For Large Gels
   - Versatile system format to perform SDS, 1D, 2-D and Native gels
   - SDS-PAGE apparatus to run 11-13 cm gels and wet blotting system with features mentioned below.
   - Capable of running IPG strips
   - Provision to enable uniform pressure along entire length of the glass plates which is expected to provide leak proof seal without tapes, grease or agarose.
   - Choice of glass plates, spacers & sandwich clamps to cast 2 gels.
   - Blotting module of similar gel size should be provided

Power supply

- Output range (programmable) – 10-500 V, fully adjustable in 1 V steps and 0.01-2.5 A, fully adjustable in 1 mA steps, 1-400 W power.
- Type of output – Constant voltage, constant current, constant power or constant temperature.
- Output terminals – 4 pair recessed banana jacks in parallel
- Safety features - No-load detection, sudden load change detection, overload/short-circuit detection, over voltage protection
- Timer - 1 min–99 hr 59 min, fully adjustable
- Graphic LED display.

Gel imaging system

- System with true 16 bit CCD with more than 4 Megapixel image resolution.
- Cooled CCD with cooling range of -30°C absolute temperature using peltier cooling system. (if any other technology used, please quote its superiority)
- System with dynamic flat fielding technology for getting accurate Quantitation with CV < 5 %.
- Multi image color target with multi-channel image display for study of more than 2 dyes at a time for differential expression. Automatic sequential imaging of multi labeled samples.
- System should have 8 different modes of illumination – Trans-UV, epi-white, no illumination for chemiluminescence, trans-white, optional epi-red, optional epi-green, optional epi-blue, and optional trans-blue. All LEDs should be integrated with system for proper imaging of multi target with reproducibility.
• Instrument should have a large transillumination area of which is capable of taking sample of minimum 28x36 cm and should have a minimum imaging area of 26 x 35 cm.
• Capability of stain free gel imaging is essential to avoid time consuming gel/sample staining procedure.
• Instrument should have auto focus technology that is system should automatically take the best focus depending on any zoom level without the movement of sample platform. The sample platform should be fixed at one position to ensure minimal mechanical movement.
• Pixel size should be 6.45 µm x 6.45 µm or bigger.
• Instrument should have a minimum 6 position filter wheel for capturing images of various dyes effectively. The filter wheel should be motorized and automatic without the requirement of manually changing or moving the filter wheel.
• Dynamic range should be >4 orders of magnitude for good quantification.
• Pixel density should be at least 65,535.
• System should offer various binning options with minimum of 2x2, 3x3 and 4x4 for customized sensitivity.

**Software for Image acquisition and 1-Dimensional Analysis:**
Suitable software compatible with the apparatus to enable all the functions (please quote all salient features)

**2-D Gel Analysis software:**
• Gaussian modeling based software
• Provision for available algorithms for Automatic Spot Detection & Quantification.
• Spot detection summary matching summary, replicate group consensus tool to optimize spot detection and matching parameter
• Provision for auto recognition and removal of background speckles.
• Possibility of simultaneous analysis of up to 15 gels
• Compatibility for XML data and JPEG file format
• Network license support for more number of users.

174/Radio/RPC/SSK/12-13

Portable Ultrasound Color Doppler Machine – 01 Nod.

A state of art fully digital, compact portable Colour Doppler Ultrasound Machine is required with following technical features for use in Dr. R.P. Centre.
1. It should be suitable for complete orbital & eye applications, vascular access and examination of other small parts. It should allow ophthalmic and general applications both in adults and children & also suitable for interventions.
2. The equipment must be capable of operating in B-mode.
3. It must support transducers with linear, phased array and curved array formats.
4. The system shall have broadband architecture with an operating frequency of at least 1-14 MHz.
5. The system shall have the ability to enhance tissue margins and improve contrast resolution by reducing artifacts and improving visualization of texture patterns.
6. System should have special needle visualization within the image, please specify the technology.
7. Unit should be able to give very high image quality with advance technologies like Compound Imaging with at least 5 sights of lines for better contrast resolution, tissue differentiation and edge detection.
8. The system shall process a dynamic range that is at least 165 db. The system must display at a maximum depth of 35 cm.
9. The system shall provide a backlit keypad for ease of use, with facility to disinfect the keypad of system must be possible to avoid any cross contamination.
10. The system shall go from the off status to active scanning in less than 20 seconds.
11. The system should be easy to carry, the system shall not weigh more than 5 kg including battery.
12. The system shall have an LCD screen size no smaller than 10” and must have provision to connect a bigger monitor for use in OT.
13. The system shall have Digital Video Interface (DVI), S-Video, VGA, USB and audio output.
14. The system shall have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life (run time) shall be at least 2 (two) hours, this needs to be demonstrated.
15. The system must have archive capability for storage and retrieval of images and clips.
16. The system shall support all DICOM functionality, Storage, Print, Work List and also ready to connect to PACS.

Transducers to be supplied with system

1. 6-13(±1) MHz multi-frequency, broadband linear array transducer for ophthalmic and vascular imaging with less than 40 mm probe footprint.
2. Convex probe of 2-5 MHz for general applications.
3. 4 – 8 MHz multi-frequency, broadband phased array small foot print transducer for orbital applications for use both in children and adults.
All probes must be supplied with biopsy guide attachments.

Essential Accessories: B/W Thermal printer, original carry bag, original moulded mobile cart (from the principal) with transducer holder and space for printer.

Warranty: The system and transducers should be covered with comprehensive onsite warranty for 5 years.

Essential: 95% uptime guarantee should be provided
Manufacturer shall provide a loan system in case of machine failure.
List of installations within India in Govt. hospitals must be provided.
Camera SLR 90D – 01 Nos.

1. SLR D90 with VR kit
2. 105mm F2.8 Lense Fitted with Infrared UV Barrierfilters
3. SB 700 Flashgun (UV Photography)
4. Remote for D90 Camera
High Resolution Trinocular Upright Microscope Refraction Set – 03 Nos.

Microscope Body 3D Ergo Design Microscope having filters (NCB111, ND8, ND32)

Magnification 40X-1000X for Observation

Optical System Infinity Corrected Optical System

Eyepiece Tube Trinocular Tube, should be inclined at 30/25 degree angle with F.O.V. 22MM. should be ANTI-FUNGUS Type.

Eyepiece Lens 10X (2 PCS) with both sides diopter adjustment (F.O.V. 22mm) should be anti fungus type.

Objective High Performance Chromatic Aberration Free Infinity Corrected (CFI) Objective.

   CFI Plan Achromat 4x
   CFI Plan Achromat 10x
   CFI Plan Achromat 20x
   CFI Plan Achromat 40x
   CFI Plan Achromat 100x

Nose Piece Reversed sextuple revolving nosepiece to accommodate six objectives at a time.

Coarse/ Fine Focusing Fine and Corarse motion torque adjustable. Refocussing Stopper should be incorporated.

Machanical Stage Rectangular super hard ceramic coated surface mechanical stage, stay in position stage handle, stage handle height and tension should be adjustable with capacity to hold two slide glass at a time.

Condenser Universal Turrent condenser with six position.

Illumination 12V-100W Halogen Lamp

Photo Switch Built-In Auto Photo Preset Switch.

CAMERA

Scientific grade digital color CCD camera capable of handling brightfield, darkfield images with 2/3” high density CCD Chip,

Approx. 5.0 million pixel resolution.

Live Display mode, binning modes, digital zoom: Upto 16X (8 Steps); Interval shooting

Software should be comes alongwith camera for aquiring & capturing of images. Should have separate modes for different microscopy techniques i.e. brighfield, microscope, camera and software should be from manufacturer/ source, essential source to be followed.
DATA STATION:

Branded computer with i3 processor, 300 HDD or higher, 2 GB RAM, Keyboard, Mouse with 18.5” color TFT monitor and UPS.

NOTE:

- Microscope, camera and image analysis software should be from same manufacturer/ source for better compatibility and future upgradeability. This is a very essential terms to be followed.
- Bidder should quote latest model of the above specification, mentioned on their principle website, failing so tender strictly rejected.