

Tender

For

Equipments required for Department of Pathology

At

All India Institute of Medical Sciences, Jodhpur

**NIT Issue Date** : 15<sup>th</sup> January, 2016  
**NIT No.** : Admn/Tender/Pathology/2015-AIIMS.JDH  
**Pre-Bid Meeting** : 03<sup>rd</sup> February, 2016 at 11:00 AM.  
**Last Date of Submission** : 19<sup>th</sup> February, 2016 at 03:00 PM.



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

Basni Phase - II, Jodhpur, Rajasthan-342005.

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## **Supply, Installation and Commissioning of Equipment required in Pathology Department**

All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute being established by an Act of Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed tenders for supply & installation of the following items for the Department of Pathology at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

### **Chapter-I**

<b>S.No</b>	<b>NIT No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>EMD (Rs.)</b>
01.	Admn/Tender/Pathology/1/2015-AIIMS.JDH	<b>Fully automated urine analyser (Chemistry &amp; sediment)</b>	1	50,000
02.	Admn/Tender/Pathology/2/2015-AIIMS.JDH	<b>Platelet Aggregometer</b>	1	9,000
03.	Admn/Tender/Pathology/3/2015-AIIMS.JDH	<b>Automated tissue cassette labeler</b>	1	37,000
04.	Admn/Tender/Pathology/4/2015-AIIMS.JDH	<b>Automated slide labeler</b>	1	37,000
05.	Admn/Tender/Pathology/5/2015-AIIMS.JDH	<b>Faculty microscopes</b>	5	55,000
06.	Admn/Tender/Pathology/6/2015-AIIMS.JDH	<b>Hand held electric bone cutter</b>	1	7,000
07.	Admn/Tender/Pathology/7/2015-AIIMS.JDH	<b>Fully automated motorized microtome</b>	1	14,800
08.	Admn/Tender/Pathology/8/2015-AIIMS.JDH	<b>Grossing tool set</b>	1	3,800
09.	Admn/Tender/Pathology/9/2015-AIIMS.JDH	<b>Biosafety cabinet with fume hood</b>	1	12,000
10.	Admn/Tender/Pathology/10/2015-AIIMS.JDH	<b>Liquid nitrogen storage tank</b>	1	14,000
11.	Admn/Tender/Pathology/11/2015-AIIMS.JDH	<b>Carbon dioxide incubator</b>	1	10,000
12.	Admn/Tender/Pathology/12/2015-AIIMS.JDH	<b>Inverted microscope</b>	1	14,000
13.	Admn/Tender/Pathology/13/2015-AIIMS.JDH	<b>Laminar flow cabinet</b>	1	6,000

Quotation should be sealed and super-scribed with tender number and address to:

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

The sealed quotations should reach the Institute, latest by 19<sup>th</sup> February, 2016 at 03:00 PM and it will be opened on same day at 03:30 PM in the Conference Hall, Academic Block, AIIMS Jodhpur in the presence of the bidder(s) or their authorized representative(s), who will present at the scheduled date and time.

### **Terms & Conditions:**

- 1. Preparation and Submission of Tender:** The tender should be submitted in two parts i.e. Technical Bid and Financial Bid. The Technical Bid and the Financial Bid should be sealed by the bidder in two separate covers “**Technical Bid for Tender for Supply of (Item Name)**” and “**Financial Bid for**

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**Tender for Supply of (Item Name)**". Both Sealed Envelopes (separate for each NIT) should be kept in a main/ bigger envelope super-scribed as "**Tender for Supply of (Item Name)**".

- 2. Earnest Money Deposit: Earnest Money Deposit:** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount as per Chapter-I by way of demand drafts and Bank Guarantee only. The demand drafts shall be drawn in favour of "**All India Institute of Medical Sciences, Jodhpur**". The demand drafts and Bank Guarantee for earnest money deposit must be enclosed in the envelope containing the technical bid. The EMD of the successful bidder shall be returned after the successful submission of Bank Guarantee/ Security Deposit and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts of EMD will be rejected.

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

- 3. Tender Fee:** Tender fee will be Non-refundable amount of Rs. 1,000/- (Rupees One Thousand only) **for Each Item** by way of demand drafts only. The demand drafts shall be drawn in favour of "**All India Institute of Medical Sciences, Jodhpur**". Bids received without demand draft of tender will be rejected.
- 4. Validity:** The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.
- 5. "PRE –BID Meeting" with the intending bidders shall be held on 03<sup>rd</sup> February, 2016 from 11:00 A.M. onwards at AIIMS, Jodhpur.** All the prospective bidders are requested to send comments/ representations on or before pre-bid meeting. Intending bidder will be allowed to seek clarification on specification, Conditions of Contract, etc. in writing to AIIMS, Jodhpur, within 48 hours after the pre-bid meeting.
- 6.** In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

### **7. Delivery and Installation:**

#### **i) For goods supplied from India:**

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **30 days** from the date of issue of supply order.

#### **ii) For goods imported directly from abroad:**

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **60 days** from the date of opening of Letter of Credit for shipment.

All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 0.5% per week of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at AIIMS Jodhpur. The goods should be manufactured after adoption of latest technology.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely of the goods and performance of services, the supplier shall promptly inform the AIIMS, Jodhpur for extension of the delivery schedule accordingly. On receiving the supplier's communication, the AIIMS, Jodhpur shall examine the situation as soon as possible and, at its discretion, may agree to

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extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

- 8. Signing the Contract:** - The successful bidder shall be required to execute the Contract Agreement accepting all terms and conditions stipulated herein on a non-judicial stamp paper of Rs. 100/- (Rs. One Hundred only) along with performance security within fifteen days of the issue of the Letter of notification of award. In the event of failure on the part of the successful bidder to sign the Contract within the period stipulated above, the EMD shall be forfeited and the acceptance of BID shall be considered as cancelled.
- 9. Performance Security:** As a guarantee towards due performance and compliance of the contract work, the successful bidder (contractor) will deposit an amount equal to 10% of order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation, including CMC period towards security deposit by way of demand draft/ bank Guarantee in favour of "All India Institute of Medical Sciences, Jodhpur" drawn on any Nationalized Bank/Scheduled Bank and payable at Jodhpur within fifteen days of the issue of the Letter of notification of award along with non-judicial stamp paper of Rs. 100/- (Contract agreement).
- 10. Incidental Services:** The supplier shall be required to perform the following services:-
  - a. Installation & Commissioning, Supervision and Demonstration of the goods.
  - b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
  - c. On Site Training to Doctors/ Technicians/ Staff is to be provided by Supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine, as per direction of user department.
  - d. Supplying required number of operation & maintenance manual for the goods.
  - e. To provide non-locked open software and standard interface inter-operability conditions for networked equipment's in hospital management information system, wherever applicable.
- 11. Accessories & Consumables:** The separate price list of all accessories and consumables, if any, must be attached/ enclosed along with the Financial Bid.
- 12. After Sales Service:** After sales service centre should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.
- 13. Inspection:**
  - a. AIIMS, Jodhpur shall have the right to inspect and/or to test the goods to confirm their conformity to the NIT Specifications at no extra cost to the Purchaser.
  - b. AIIMS, Jodhpur right to inspect, test and, where necessary, reject the Goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by AIIMS, Jodhpur prior to the goods shipment.
  - c. The Director, AIIMS Jodhpur 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.
  - d. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

**14. Documents:**

- a. **All pages of the Tender should be numbered and indexed.**
- b. The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully confirm to the goods and services specified by the purchaser in the tender documents. For this purpose the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender duly indicating relevant page numbers in the product literature.
- c. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last one year.

**15. Manufacturer Authorisation:** The bidder (if not original equipment manufacturer must submit Original Equipment Manufacturer authorization certificate that the tenderer is authorized for selling and maintain the equipment quoted for. Performa attached at **Annexure- III**.

**16.** The bidders are required to submit user certificate for the relevant equipment on the letter head of the institution (Government/ Private).

**17.** The successful bidder will be required to submit order copies of the supply of the equipment in Government institutions in last 12 month for rate reasonability purpose.

**18. Insurance:** - The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. If the equipment's is not commissioned and handed over to AIIMS, Jodhpur within specified period, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the AIIMS, Jodhpur.

**19. Tender Currencies:**

- a. The bidder supplying indigenous goods or already imported goods shall quote only in Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in Indian Rupees.
- b. For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any, required with the goods, the same shall be quoted in Indian Rupees only, if such services are to be performed /undertaken in India.
- c. Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

**20. Tender Prices:** While filling up the columns of the Financial Bid, the following aspects should be noted for compliance:

**For domestic goods or goods of foreign origin located within India, the prices in the corresponding Financial Bid shall be entered separately in the following manner:**

- a. The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST/ VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.;
- b. Any sales tax or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
- c. Charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Financial Bid;
- d. The price of Incidental Services, as mentioned in List of Requirements and Financial Bid;
- e. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and

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- f. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

### **For goods offered from abroad, the prices in the corresponding Financial Bid shall be entered separately in the following manner:**

- a. The price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Financial Bid;
- b. The price of goods quoted CIF port of entry in India as indicated in the List of Requirements and Financial Bid;
- c. The price of goods quoted for delivery at AIIMS, Jodhpur as indicated in the List of Requirements, Financial Bid and Consignee List;
- d. Wherever applicable, the amount of custom duty with CDEC applicable on CIF value on the goods to be imported;
- e. The charges for Loading/Unloading, Inland transportation, Insurance and other local costs, Incidental cost to delivery of the goods from the port of entry in India to AIIMS, Jodhpur, as specified in the List of Requirements and Financial Bid;
- f. The charges for Incidental Services, as in the List of Requirements and Financial Bid;
- g. The prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- h. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

**Additional information and instruction on Duties and Taxes:** If the Bidder desires to ask for excise duty, sales tax/CST / VAT/ CENVAT, Custom Duty, Service Tax, Works Contract Tax etc. to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

### **Excise Duty:**

- a. If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.
- b. If a Bidder chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the Bidder must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.
- c. Subject to sub clauses (i) & (ii) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

**Sales Tax:** - If a bidder asks for sales tax/CST / VAT/CENVAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The CST / VAT/CENVAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax/ CST / VAT/CENVAT, Service Tax and Works Contract Tax and is payable as per the terms of the contract.

**Octroi Duty and Local Duties & Taxes:-** Normally, goods to be supplied to Government departments against Government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned Government department. Keeping this in view, the supplier shall ensure

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that the goods to be supplied by the supplier against the contract placed by the AIIMS, Jodhpur are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the AIIMS, Jodhpur. However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the AIIMS, Jodhpur to enable the AIIMS, Jodhpur reimburse the supplier and take other necessary action in the matter.

**Customs Duty:** In respect of imported goods offered from abroad, the bidder shall specify the rate as well as the total amount of customs duty payable with Custom Duty Exemption Certificate, if applicable, on the quoted goods in the Financial Bid. The bidder shall also indicate the corresponding Indian Customs Tariff Number applicable for the goods.

- a. For transportation of imported goods offered from abroad, relevant instructions as incorporated shall be followed.
- b. For insurance of goods to be supplied, relevant instructions as provided shall be followed.
- c. Unless otherwise specifically indicated in this NIT document, the terms FCA, FOB, FAS, CIF, CIP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
- d. The need for indication of all such price components by the bidders, as required in this clause is for the purpose of comparison of the tenders by the purchaser and will no way restrict the AIIMS, Jodhpur right to award the contract on the selected bidder on any of the terms offered.

**21. Indian Agent:-** If a foreign bidder has engaged an agent in India in connection with its bid, the foreign bidder, in addition to indicating Indian agent's commission, if any, shall also furnish the following information:

- a. The complete name and address of the Indian Agent and its Permanent Account Number as allotted by the Indian Income Tax authority.
- b. The details of the services to be rendered by the agent for the subject requirement.
- c. Details of Service outlets in India, nearest to the AIIMS, Jodhpur to render services during Warranty and CMC period.

### **22. Firm Price**

- a. Unless otherwise specified in the NIT, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- b. However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated will apply.

**23. Conversion of tender currencies to Indian Rupees: -** In case the bid document permits the bidders to quote their prices in different currencies, all such quoted prices of the responsive bidders will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the closing exchange rates established by the Reserve Bank of India for similar transactions, as on the date of '**Last Date of Submission of Tender**'.

### **24. Payment Terms:**

#### **i) Payment for goods supplied from India:**

100% payment of the total order value shall be released after the successful installation/commissioning of the ordered goods against the submission of the inspection report.

#### **ii) Payment for Imported goods:**

For imported goods payment shall be made in the following manner:

- a) **On shipment:** 75 % payment of the contract price shall be paid 60 days after presentation of shipping documents {goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country} and upon the submission of the following documents:
  - i. Four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount;

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- ii. Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill.
- iii. Insurance Certificate;
- iv. Certificate of origin by the chamber of commerce of the concerned country;
- v. Certificate of country of origin;
- vi. Manufacturer's / Supplier's warranty certificate;
- vii. Manufacturer's own factory inspection report.

- b) **On Acceptance:** 25 % payment would be made after satisfactory installation & commissioning on issuance of Inspection certificate by the AIIMS, Jodhpur.

*Note:-The supplier shall not claim any interest or any other payment under the contract.*

**25. Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. Transportation of goods up to AIIMS, Jodhpur and its successful installation and commissioning is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier. **NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC.**

**26. Guarantee / Warrantee Period:**

**26.1 For the equipment value upto Rs. 5 Lakh:** The Tenderers must quote for **02 years** comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent **03 years** Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

**26.2 For the equipment value above Rs. 5 Lakh:** The Tenderers must quote for **05 years** comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent **05 years** Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

**27. Uptime guarantee:** The firm should provide uptime guarantee of 95%

**28. Downtime penalty Clause**

- a. During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handling 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 CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.
- b. The principals or their authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.



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- 29. Arbitration:** If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Secretary, Department of Legal Affairs. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1990 and the rule framed there under and in force shall be applicable to such proceedings.
- 30. 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, Jodhpur, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.
- 31. Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by AIIMS, Jodhpur in that event the security deposit shall also stands forfeited.
- 32. Insolvency etc:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Jodhpur shall have the power to terminate the contract without any prior notice.
- 33. Force Majeure:** If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive.
- Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.
- 34.** Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.
- 35.** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.
- 36.** Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
- 37.** After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer
- 38.** Conditional bid will be treated as unresponsive and it may be rejected.

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- 39. Demonstration:** - AIIMS Jodhpur reserves the right to ask the tenderers for arranging demonstration of their equipment for which rates have been quoted, to the concerned committee, if required.
- 40.** The Institute reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
- 41. Applicable Law:**
- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
  - Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.
  - The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the parties.
  - Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

**Administrative Officer  
AIIMS, Jodhpur**

**Annexure-I**

S.No	Item	Technical Specification	Qty.
01.	<b>Fully automated urine analyser (Chemistry &amp; sediment)</b>	<ol style="list-style-type: none"> <li>1. The analyser should be compact benchtop, fully automated integrated urine analyzer, integrating urine chemistry and urine sediment analysis.</li> <li>2. Chemistry parameters required to be provided should be glucose, protein, blood, bilirubin, urobilinogen, ph, ketones, nitrate, leuokocyte, creatinine, albumin, alb/ cre ratio, pro/ cre ratio.</li> <li>3. Additional instrument parameters should have specific gravity, turbidity &amp; colour.</li> <li>4. The analyser should be based on fluorescence flowcytometry for accurate measurement of urine parameters such as rbc, wbc, epithelial cells, cast and bacteria.</li> <li>5. The instrument should provide scattergrams and histograms for easy interpretation.</li> <li>6. The analyser should provide additional rbc information, uti information and conductivity.</li> <li>7. The analyser should have user friendly software with cross check function.</li> <li>8. The analyser should have a throughput 100 samples / hour (chemistry) &amp; 50 samples / hour (sediment analysis).</li> <li>9. The equipment should have a storage of 200 test strips at a time with continuous loading for true walkaway analysis.</li> <li>10. The equipment should have the capability to load two different types of strips for better flexibility in analysis</li> <li>11. The equipment should be capable of analysis in both manual and sampler mode.</li> <li>12. Sampler should have the capacity of 60 sample tubes and internal barcode for sample identification</li> <li>13. Controls should be available for both chemistry and sediment analysis</li> <li>14. Data storage of 10000 samples including graphics &amp; 24 qc files with 300 data points each should be available.</li> <li>15. The equipment should have interface for output to printer or transmitted to LIS / HIS and it would be the responsibility of the supplier to do the interfacing.</li> </ol>	1
02.	<b>Platelet Aggregometer</b>	<ol style="list-style-type: none"> <li>1. Should be an Automatic optical Aggregation system with two channels and expandable to four channels, for aggregation tests in PRP (Plasma Rich Plasmin ) or washed platelets</li> <li>2. The system should have sensitive infra-red based optical device to determine the difference between PRP and PP channels.</li> <li>3. It should be capable of running with low sample volumes of the order of 250ul and not exceeding 250ul with possibility to use one PP sample for other channel.</li> <li>4. It should have at least four incubation wells and electronic control of heater with digital temperature display.</li> <li>5. It should have adjustable stir speed up to 1,000rpm for easy optimization of tests.</li> <li>6. Standard curves- It should be possible to rerun or delete a standard dilution with a provision for storage of standard curves for future use and reference.</li> <li>7. The equipment should be supplied with: <ol style="list-style-type: none"> <li>a. UPS-1</li> <li>b. Startup reagents (1pack size)</li> <li>c. Cuvettes (at least one set)</li> <li>d. Magnetic stirrer (No-2)</li> <li>e. Pens-No-2</li> </ol> </li> </ol>	1

**Supply, Installation and Commissioning of Equipment required in Pathology Department**

03.	<b>Automated tissue cassette labeler</b>	<ol style="list-style-type: none"> <li>1. It should permanently mark tissue cassettes easy to read, preferably black.</li> <li>2. Unit should permit high through put, allowing the user to enter a list of labels to be printed at one time.</li> <li>3. Unit should facilitate with six hoppers/ magazines available the operator with option to use multiple colours or types of cassettes when a labelling request is entered.</li> <li>4. The micro writer plotter should be able to write letters, numbers and special character as required.</li> <li>5. Unit should allow largest font allow a single line of up to 8 characters.</li> <li>6. The user may be able to create data field and save the cassettes labelling format to a disc. The system may be control from a personal computer using windows based software.</li> <li>7. Throughput of slides - 10-15 Cassettes per minute in serial mode.</li> <li>8. Magazine capacity-may hold upto 400 Cassettes.</li> <li>9. Option for LIS Interface for the Printer should be available.</li> </ol>	1
04.	<b>Automated slide labeler</b>	<ol style="list-style-type: none"> <li>1. It should permanently mark tissue cassettes easy to read, preferably black.</li> <li>2. Working temperature range should be 15-35°C.</li> <li>3. Throughput of slides should be 10 to 15 slides per minute in serial mode.</li> <li>4. Print resolution - upto 300 dpi is required.</li> <li>5. Magazine capacity to hold upto 400 slides.</li> <li>6. Unload station capacity of 10 trays.</li> <li>7. External slide magazine holder capacity- should hold upto 150 slides each (total 900 slides)</li> <li>8. Unit should have largest font to allow a single line of up to 8 characters.</li> <li>9. Option for LIS Interface for the Printer should be available.</li> </ol>	1
05.	<b>Faculty microscopes</b>	<ol style="list-style-type: none"> <li>1. Optical system : Infinity corrected system</li> <li>2. Focus : Vertical stage movement 25mm or more per course Stroke Vertical stage movement 1micron or less per Fine stroke.</li> <li>3. Illuminator : Lamp House for LED with connecting cable having life Span of 20,000 hrs or more.</li> <li>4. Revolving nosepiece : Reversed Sextuple revolving nosepiece. Should be upgradeable to DIC in future.</li> <li>5. Objectives : Plan Achromat 2X or 2.5x N.A 0.06 Plan Achromat 4X N.A 0.10 Plan Achromat 10X N.A 0.25 Plan Achromat 40X N.A 0.65 (spring), Plan Achromat 100X N.A 1.25 (Spring, oil)</li> <li>6. Observation tube : Wide field three way Trinocular Eyepiece Tube with 10X eyepieces of minimum 22mm F.O.V</li> <li>7. Stage : Ceramic coated surface mechanical stage with right- hand low drive control with left hand for two specimens</li> <li>8. Condenser : Swing out condenser usable form 2X-100X)</li> <li>9. Camera &amp; Software : Digital Cooled CCD Camera 5MP , with 10bit digitization, 2048x1500. Exposure time 1.6 ms to 17.8min in 1us increments with Fire wire port. Software to capture and image processing.</li> <li>10. Computer : i5 processor, 4GB RAM, 500GB HDD, DVR</li> </ol>	5

		<p>system R/W, TFT 20"</p> <ol style="list-style-type: none"> <li>11. The system should be upgradeable to Fluorescence attachment with multicolour 5 or more Filters positions on a turret at a time.</li> <li>12. Camera and microscope should be manufactured by the same manufacturer.</li> <li>13. There should be provision for demonstration before final approval of equipment.</li> <li>14. The equipment should be USA- FDA/European- CE approved</li> <li>15. Documents supporting track record and satisfactory performance from institutions of national importance (minimum of one ) should be provided.</li> </ol>	
<b>06.</b>	<b>Hand held electric bone cutter</b>	<ol style="list-style-type: none"> <li>1) Strong Motor with at least 18, 000 RPM</li> <li>2) 15000-16000 Oscillations/ out of blade</li> <li>3) Motor and hand piece should be separate and connected by a long cord not less than 8 feet long so that motor is not required to be lifted every time</li> <li>4) Motor is to be provided with long service cord with plug</li> <li>5) Hand piece with safety flange permitting from grip and should stay cool during operation</li> <li>6) Easily detachable hand piece- autoclavable</li> <li>7) Both hand and foot switch for on and off operation</li> <li>8) Suitable wrench to remove blades</li> <li>9) Accessories</li> <li>10) Large section blade 6.3 cm width a stem of 1.1 cm: 1 Nos.</li> <li>11) Round blade of 6.3 cm cuts to a depth of 44 mm: 1 Nos.</li> <li>12) Small section blade 4 cm width</li> <li>13) Should come with vacuum bone dust collector</li> <li>14) Should be supplied with easily available disposable bone dust bags</li> <li>15) Should work on electric supply of 220-230 V 50 Hz AC</li> </ol>	<b>1</b>
<b>07.</b>	<b>Fully automated motorized microtome</b>	<ol style="list-style-type: none"> <li>01. Section thickness setting : <ul style="list-style-type: none"> <li>• 0.5 to 100 microns</li> </ul> </li> <li>02. Setting values : <ul style="list-style-type: none"> <li>• 0.5 to 5 micron in 0.5 micron increments</li> <li>• 5 to 20 micron in 1 micron increment</li> <li>• 20 to 60 micron in 5 micron increment</li> <li>• 60 to 100 in 10 micron increment</li> </ul> </li> <li>03. Horizontal specimen feed : <ul style="list-style-type: none"> <li>• 28 mm +/- 1 mm, feed motion via step motor</li> </ul> </li> <li>04. Coarse feed : <ul style="list-style-type: none"> <li>• Motorised coarse feed in two steps i.e 300 micron /sec and 900 micron/sec.</li> </ul> </li> <li>05. Vertical specimen stroke length : <ul style="list-style-type: none"> <li>• 60-70 mm.</li> </ul> </li> <li>06. Specimen orientation : <ul style="list-style-type: none"> <li>• Horizontal 8 deg, Vertical 8 deg Z axis 360 degrees.</li> </ul> </li> <li>07. Trimming Section thickness : <ul style="list-style-type: none"> <li>• 1 to 600 micron</li> </ul> </li> <li>08. Specimen retraction : <ul style="list-style-type: none"> <li>• 5 to 100 micron in 5 micron increment, can be turned off.</li> </ul> </li> <li>09. Voltage supply : <ul style="list-style-type: none"> <li>• 230 V-50/60 Hz.</li> </ul> </li> </ol>	<b>1</b>

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		<p>1. Equipment should be supplied with 5 packets of disposable blades, 2 sets of brushes</p> <p>2. The equipment should be USA- FDA/European- CE approved</p> <p>12. Documents supporting track record and satisfactory performance from institutions of national importance (minimum of one ) should be provided.</p>																																																	
<b>08.</b>	<b>Grossing tool set</b>	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>MAYO Dissecting Scissor: Size 17 cm Straight</td> <td>02</td> </tr> <tr> <td>2.</td> <td>MAYO Dissection Scissor: Size 17 cm Curved</td> <td>02</td> </tr> <tr> <td>3.</td> <td>Operating Scissor – Sharp/Blunt : Size 14cm Straight</td> <td>02</td> </tr> <tr> <td>4.</td> <td>Operating Scissor – Sharp/Blunt : Size 14cm Curved</td> <td>02</td> </tr> <tr> <td>5.</td> <td>Dressing Forceps- Serrated: Size 12cm</td> <td>02</td> </tr> <tr> <td>6.</td> <td>Halsted Mosquito Forceps- Curved: Size 12 cm</td> <td>02</td> </tr> <tr> <td>7.</td> <td>Tissue Forceps- 1x2 Teeth: Size 12 cm</td> <td>02</td> </tr> <tr> <td>8.</td> <td>Tissue Forceps- 1x2 Teeth: Size 25 cm</td> <td>02</td> </tr> <tr> <td>9.</td> <td>Tissue Forceps- 2x3 Teeth: Size 15 cm</td> <td>02</td> </tr> <tr> <td>10.</td> <td>Tissue Forceps- 4x5 Teeth: Size 15 cm</td> <td>02</td> </tr> <tr> <td>11.</td> <td>Liston Bone Cutting Forceps- Straight: Size 21 cm</td> <td>01</td> </tr> <tr> <td>12.</td> <td>Liston Bone Cutting Forceps- Angled on flat: Size 25 cm</td> <td>01</td> </tr> <tr> <td>13.</td> <td>Satterlee Bone saw: Size 30 cm</td> <td>01</td> </tr> <tr> <td>14.</td> <td>Rounded Bone Saw: Size 30 cm</td> <td>01</td> </tr> <tr> <td>15.</td> <td>Brain Knife</td> <td>02</td> </tr> </tbody> </table>	S. No.	Description	Qty.	1.	MAYO Dissecting Scissor: Size 17 cm Straight	02	2.	MAYO Dissection Scissor: Size 17 cm Curved	02	3.	Operating Scissor – Sharp/Blunt : Size 14cm Straight	02	4.	Operating Scissor – Sharp/Blunt : Size 14cm Curved	02	5.	Dressing Forceps- Serrated: Size 12cm	02	6.	Halsted Mosquito Forceps- Curved: Size 12 cm	02	7.	Tissue Forceps- 1x2 Teeth: Size 12 cm	02	8.	Tissue Forceps- 1x2 Teeth: Size 25 cm	02	9.	Tissue Forceps- 2x3 Teeth: Size 15 cm	02	10.	Tissue Forceps- 4x5 Teeth: Size 15 cm	02	11.	Liston Bone Cutting Forceps- Straight: Size 21 cm	01	12.	Liston Bone Cutting Forceps- Angled on flat: Size 25 cm	01	13.	Satterlee Bone saw: Size 30 cm	01	14.	Rounded Bone Saw: Size 30 cm	01	15.	Brain Knife	02	<b>1</b>
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<b>09.</b>	<b>Biosafety cabinet with fume hood</b>	<p>1. Manufacturer shall provide a certified copy of the personnel, product, and cross contamination (biological) tests, equivalent to or more demanding than as specified in NSF International Standard 49, performed on the unit selected from the corresponding statistical sample.</p> <p>2. Cabinet shall have momentum air curtain down flow velocity profile, i.e., a higher velocity of down flow behind the view screen relative to down flow velocity over the work surface for added personnel and product protection.</p> <p>3. High-velocity return air slots should be located at each end of the front access opening. These slots help to prevent contaminated air from being drawn into the work area along the edges of the side wall and from escaping the work area to the ambient environment.</p> <p>4. High-velocity return air slots should also be located behind the view screen on the top edge for enhanced containment and product protection.</p> <p>5. Cabinet shall be capable of automatically handling a 300% minimum increase in filter loading without reducing total air delivery by more than</p>	<b>1</b>																																																

		<p>10%. Test data to verify these capabilities shall be available upon request.</p> <p>6. Intake velocity through the front access opening should be a minimum of 100 FPM.</p> <p>7. Each unit, before shipping, should have a complete physical test to assure cabinet meets Class II requirements. A copy of this test will be provided with the operator manual shipped with the unit.</p> <p>8. The unit shall have standard HEPA filters for a protection effectiveness of 99.99% on 0.3 micron size particles by DOP test. Filters should be serviceable from front of cabinet.</p> <p>9. The cabinet shall have a reduced airflow energy-saving mode , which is active when the view screen is closed. This mode of operation shall reduce energy consumption by at least 50% and still meet the product and personnel protection testing requirements of NSF/ANSI 49. Particle testing while the cabinet is in this mode shall exceed the requirements for ISO Class 5 conditions for 0.3 micron particles. A connection shall be provided for indicating the ReadySAFE™ status to the facility building management system.</p> <p><b>CONSTRUCTION</b></p> <p>1. The vertical sliding viewscreen should be slanted at an angle of 10° from vertical, capable of moving to a fully closed position during shutdown periods.</p> <p>2. Viewscreen shall be constructed of laminated safety plate glass, with a maximum opening of 20" for equipment loading.</p> <p>3. All biologically contaminated ducts, plenums, and work area side walls shall be permanent metal construction and maintained under negative pressure or enclosed within a negative-pressure zone.</p> <p>4. Interior work area shall be 277/16" high.</p> <p>5. Cabinet shall have exclusive design to provide more uniform airflow to the supply filter.</p> <p>6. Supply and exhaust filters shall be frontloading.</p> <p>7. A telescoping plenum assembly shall be provided to allow the filters to be directly clamped to the plenum against a closed cell neoprene gasket. Plenum applies force should apply to full perimeter of filters, rather than point force.</p> <p>8. Unit shall have an audible alarm and a flashing LED to indicate when the sliding view screen is in an unsafe position. An alarm mute switch shall be provided on the front-mounted cabinet control panel to allow the operator to mute the alarm tone for brief adjustments. The alarm shall automatically reactivate after 5 minutes if the view screen remains in an unsafe position.</p> <p>9. Cabinet exterior construction: seal panels and dress panels of 16-gauge cold-rolled steel, powder coated finish, painted PermaWhite.</p> <p>10. Cabinet interior (work area) construction: one-piece, 16-gauge, Type 304 stainless steel, with a smooth, 7/16" radius between rear and side walls, and easily cleanable, the work surface tray.</p> <p>11. Work area side walls and rear wall to be one-piece construction. A straight back wall shall be provided to maximize work area and easily accommodate laboratory equipment.</p> <p>12. Cabinet shall be double-wall construction with negative-pressure airflow between the walls, from drain pan to top, surrounding the sides and back of work area and cable port.</p> <p>13. Bottom of access opening shall be aerodynamic airflow design directing airflow into the front grille to improve access opening containment capability and bypass armrest.</p> <p>14. Cabinet shall have a unitized drain pan with 7/16" radius on all sides and a fully removable work surface and work surface supports to facilitate</p>	
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		<p>cleaning.</p> <p>15. Cabinet shall be equipped with a stainless steel ball valve to allow safe and effective draining of spills.</p> <p>16. Stainless steel air diffuser and filter protector provided in work area. Filter protector on top of cabinet is cold-rolled steel with a powder coated finish.</p> <p>17. Externally adjustable internal damper provided to compensate for changing resistance of exhaust and supply filters during certification.</p> <p>18. One petcock and one plugged penetration should be provided as standard on the right side wall. Left side wall is pre punched for optional/additional plumbing connections.</p> <p>19. All external plumbing connections to the petcocks should be made through the bottom or back of the cabinet and not the sides, allowing zero clearance between the unit and the building walls or equipment to its right and left.</p> <p>20. The unit is available with an optional stand, which includes telescoping legs that allow the work surface height to be set from 30." to 325/8" and 361/8" to 385/8".</p> <p>21. View screen guide design shall be a counterweighted pulley system allowing ease of movement up and down.</p> <p><b>ELECTRICAL</b></p> <p>1. Complete unit shall be listed as certified by Underwriters Laboratory for electrical, fire, and personal safety.</p> <p>2. Cabinet shall have a micro processor based control system with an easy-to clean membrane control panel mounted on the front of the cabinet facing down towards the user when sitting at the unit.</p> <p>3. Cabinet shall have adjustable timers for fluorescent lights, outlets and optional UV lights. Timers operate in 15-minute intervals.</p> <p>4. Work area shall be provided with two GFCI-protected duplex outlets, with drip proof covers and shall be protected by a self-resetting circuit breaker.</p> <p>5. A single 14' power cord and plug shall be provided for electrical power source.</p> <p>6. The unit shall have optional UV light with a shutoff safety feature when the view screen is raised.</p> <p>7. The unit shall have electronic ballasts for UV and fluorescent lighting to provide longer life and lower heat output.</p> <p>8. Cabinet shall have an externally mounted fluorescent light fixture with electronic ballasts producing an average of 125 foot-candles illumination at work surface.</p>	
<p><b>10.</b></p>	<p><b>Liquid nitrogen storage tank</b></p>	<p>1. Capacity: 50 Litres</p> <p>2. Configuration: Vertical, double walled and Super-Insulated complying with global safety standards and prevailing local statutory requirements</p> <p>3. Portable, Sturdy, Light in weight</p> <p>4. Fiber glass Neck tube</p> <p>5. Protected bottom pad and rubber side rings</p> <p>6. Liquid Nitrogen after vaporization shall conform to 99.95% (min.) purity and moisture content less than 50 ppm (V/V)</p> <p>7. Preferred to have automatic defogger</p> <p>8. The transportation of liquid nitrogen and its unloading in storage tank and maintenance at the site shall be in supplier domain</p> <p>9. Inner Vessel Material: Stainless Steel</p> <p>10. Design Pressure (Corrected for Vacuum): 7.033 Kg/Cm2 G</p> <p>11. Design Temperature: -196 Degrees Celsius</p> <p>12. Insulation: Vacuum and multilayer super Insulation</p> <p>13. Outer Vessel: Carbon Steel, polyurethane paint for better finish</p>	<p><b>1</b></p>



		14. Operating Pressure : High Vacuum	
11.	<b>Carbon dioxide incubator</b>	<ol style="list-style-type: none"> <li>1. One chamber CO2 incubator with work chamber, inner total volume 175 to 200 litres.</li> <li>2. Air Jacketed heating system with temperature control by Microprocessor technology.</li> <li>3. Temperature range: +3 degrees C above ambient to +55 degrees C above ambient.</li> <li>4. Silicon removable autoclavable inner door gasket.</li> <li>5. Built in HEPA filter Airflow System (100% HEPA filtered air within 1 minute) with internal blower but without FAN inside.</li> <li>6. Temperature deviation with respect to time is + 0.1K.</li> <li>7. CO2 control by Microprocessor based and by heat resistant Thermal Conductivity detector (no IR sensor) to withstand heat of decontamination with auto start facility.</li> <li>8. CO2 range: 0 to 20% or better and CO2 accuracy + 0.1% by volume.</li> <li>9. System should have Interactive control with touch screen for rapid access of important information for each critical parameter in the incubator.</li> <li>10. Thermal conductivity sensor with two year warranty.</li> <li>11. Fast Recovery time for Temp, CO2 and Humidity should be available for good culture growth. Temp. recovery time at 37°C : less than 10 min. CO2 recovery time for 5% CO2 : less than 5 min. Humidity recovery at 95% rH ( Humidity loss during door opening 30 seconds ) : not more than 20 minutes.</li> <li>12. System should have built-in automatic decontamination facility to remove bacteria, fungi, spores, mycoplasma etc. without removing sensor or any other fitting. The system should employ automatic decontamination routine at moist heat of 90 degrees C or dry heat of 180 degrees C. No UV decontamination inside the chamber.</li> <li>13. Validation certificate of the decontamination routine from any accredited agency should be enclosed.</li> <li>14. Three nos. stainless steel perforated shelves should be supplied.</li> <li>15. It should be supplied with access port to allow any cable, plug or tubing to be easily inserted into or out of the chamber.</li> <li>16. Interior chamber should be made of stainless steel with electro-polish finish to have highest quality of inner surface with rounded corners on all sides for easy cleaning. The shelves should be made of stainless steel and should not have nuts or bolts for shelf supports to reduce the scope of growth of contamination. No plastic should be inside to avoid VOC.</li> <li>17. The system should be without water tray to reduce humidity recovery time.</li> <li>18. Built-in audible and visual water level alarm should be available when the water reservoir needs to be refilled to ensure a constant high level of humidity and to prevent cultures from drying out.</li> <li>19. Independent electronic over temperature protection with separate sensor should be available for sample protection.</li> <li>20. System should have one main door and one glass door. Suitable for 220-240V and single phase 50Hz operation.</li> <li>21.1 KVA voltage stabilizer with high voltage low voltage cut off circuit, auto reset with delay timer and spike eliminator etc.</li> <li>22. Double stage CO2 pressure regulator with stainless diaphragm and one 30 Kg CO2 gas cylinder required for operation of CO2 Incubator should also be quoted along with.</li> <li>23. 6x50 ml Highconic rotor with 6 nos. 15 ml conical tube adapter should</li> </ol>	1

		<p>also be provided.</p> <p>25. Should be FDA/ CE/ BIS approved product.</p> <p>26. Should conduct onsite Testing &amp; certification post-installation.</p>	
12.	<b>Inverted microscope</b>	<p>1) <b>Inverted Frame:</b> Motorized Ergonomic Stand with inbuilt Z-focus drive with minimum step resolution of 10-15 nm or better. The system should have a dedicated external TFT/LCD touch screen capable of controlling all motorized functions of microscope. The system should have an IR based Laser/LED focus drift compensator for long term in focus time lapse imaging controlled by both touch screen panel and imaging software at all magnifications.</p> <p>2) <b>Transmitted Light system:</b> 12V100W Halogen Illumination with intensity control through touch panel and imaging software</p> <p>3) <b>Condenser:</b> Motorized Universal Condenser (suitable for all microscopy techniques such as Phase, DIC) with 6 to 7 slots. It should have Phase rings for 10X, 20X, 40X and DIC prisms for 20X, 40X and 60X and 100X objectives. Automatic detection of phase ring.</p> <p>4) <b>Eyepiece:</b> 10X with F.O.V 22mm or better eye pieces-2 nos.</p> <p>5) <b>Nosepiece:</b> Six positions motorized revolving nosepiece with Slot for DIC Slider/analyzer to accommodate objectives of different magnifications.</p> <p>6) <b>Stage:</b> Motorized X-Y Stage with multi-site scanning capability, controller and joystick having multiple holders to adapt. The motorized stage should be able hold CO2 incubator with stage inserts for 35 mm plates, 96 Well plates, and Slides. The imaging software should have modules to drive the motorized stage and perform multi well/multipoint imaging and mosaic imaging (Image stitching).</p> <p>7) <b>Objectives:</b> High numerical aperture objectives suitable for bright field/ fluorescence/ DIC observation. Plan fluorite 10X with phase, Plan flour long working distance objective 20X phase with correction collar, long working distance plan flour objective 40X phase with correction collar &amp; fluorescence, High NA Confocal grade plan apochromat objective 60X with oil (N.A 1.35 or higher UV-IR Corrected), plan Apochromat 100X with oil (N.A 1.40 or higher UV-IR Corrected)</p> <p>8) <b>Fluorescence Module:</b> Motorized fluorescence attachment with built in shutter and a minimum of 6-8 position filter cube slots for band pass (Excitation and Emission) interference fluorescent filters FITC/GFP (Ex465-495, DM 505), TRITC/Rhodamine (Ex 540/25, DM 565,) DAPI/Hoechst (Ex 340-380, DM 400), separate florescence filter for YFP, CFP and Cy5 application should be quoted.</p> <p>9) <b>Fluorescence Light Source:</b> Fluorescence Light Source 120/130 watts metal halide/Mercury lamp with 2000hrs life time (quote 5 spare bulbs) with Light intensity control. The light source should be alignment free/pre-centered to minimize human interference for alignment. The light source should be connected to the microscope with fiber (3m) to avoid direct heat transfer from the Mercury/metal halide lamp. The shutter and the attenuator for the light source be controlled &amp; synchronized by imaging software for time lapse and multi-channel imaging. It should also be controlled by touch screen and software.</p> <p>10) <b>Camera:</b></p> <p>(i) A 2/3 inch pettier cooled 12.5 MP colour scientific CCD camera with minimum of 15 FPS for high resolution color imaging and</p> <p>(ii) 2/3 inch 1360x1024 1.4 MP, 6.45 um pixel, 14bit monochrome camera cooled to-10 deg for high sensitive fluorescence live cell imaging should be quoted.</p>	1

		<p>A facility to image both color and fluorescence imaging in sequential mode for HNE and fluorescence image with super imposition should be a part of the microscope. The switching of monochrome and color camera to be done through motorized switching between cameras with 100% light distribution in both cameras for sequential imaging of monochrome (fluorescence) and color (HNE) imaging. The bidders can quote for single or two independent cameras meeting all above specifications.</p> <p><b>11) Software:</b> The imaging software should have an advance multidimensional acquisition, camera control and controlling all function of motorized and coded functions of microscope. It should have automated count &amp; measurement modules, time lapse recording functions, automated five dimension imaging, automated multi-channel fluorescence capturing and merging, fluorescence unmixing, co-localization, wide Field basic De-convolution software module. Quote for 3D Blind deconvolution module in option. The software should have function of automated Multi Point/multi well time Lapse Imaging.</p> <p>Branded Data processing unit with i5/i7 Xenon processor with 8 GB RAM, DVD Writer, 1TB or higher HDD, 1280x1024 (min. 1024 x768) monitor resolution with Graphic card with separate graphics memory. PCI-Express x1. Compatible with half size or Low-profile PCIe board. Original Window 8 Operating System (64 Bit), Original Anti-Virus with CD, LCD Monitor 23-24 inches. UPS 2 KVA with 30 Minutes back up.</p> <p><b>12) CO2 Top Stage Incubator:</b> comprising of Incubating chamber with glass heated lid, thermal controller, automated CO2 mixer to use 100% CO2 and deliver 5% constant CO2 output with a heated humidifying Module. It requires at least 35mm Petri-dish Plate, glass slide and 96 well plate adapters, Air pump and adapter for holding Incubator on motorized XY stage. Separate software for controlling all the above function of the incubator. The incubator should have multiple holes to accept the perfusion tubes and CO2.</p> <p><b>13) Anti-Vibration table:</b> An active anti-vibration table with pneumatic pump should be supplied.</p> <p><b>14) ADDITIONAL ITEMS:</b>          Fluorescence Light source: Long life (&gt;15000 Hrs) precentred / prealigned bright white light LED light source directly coupled to the microscope with an inbuilt attenuation and shutter. The shutter and the attenuator be controlled &amp; synchronized by imaging software for time lapse and multi-channel imaging.          A two channel peristaltic pump system with necessary electronics to synchronise with the acquisition to be quoted in option.</p> <p><b>15)</b> Should be FDA/ CE/ BIS approved product.</p> <p><b>16)</b> Should conduct onsite Testing &amp; certification post-installation.</p>	
13.	<b>Laminar flow cabinet</b>	<ol style="list-style-type: none"> <li>1. Equipment shall be made of 1 mm stainless steel minimum 304 grade, of size 6x2x2 feet working area approximately with heavy duty lockable castor wheels.</li> <li>2. Laminar Cabinets Inner Chamber &amp; Outer Chamber made of stainless steel-Inner and powder coated steel-outer surface. High efficiency particulate air filters, to achieve the air purification upto 0.3 Microns in working area.</li> <li>3. Blower fitted with ¼ HP Motor, with RPM 1200 to 1400.</li> <li>4. Recyclable Pre-filters made of high grade nylon Net fixed in S.S. frame for first Stage air purification, through blower system.</li> <li>5. Closed Inner Chamber fitted with HEPA having very accurate</li> </ol>	1

**Supply, Installation and Commissioning of Equipment required in Pathology Department**

		<p>performance rate of air filtration, rated 99.99%, resulting in ceasing all air borne molecule of particles up to 0.3 microns in the working Area of Laminar Bench.</p> <ol style="list-style-type: none"><li>6. Should have microprocessor controlled electronic circuitry.</li><li>7. Should have LCD display to display parameters like Stage velocity, total using time, UV/FL lamp on/off status.</li><li>8. Working area of Laminar Airflow Cabinets illuminated by fluorescent light cabinets operated at mains 220-240V. Single Phase 50Hz. AC Supply.</li><li>9. Fitted with UV Germicidal lamp for sterilization.</li><li>10. Fitted with tempered glass Front Door vertically sliding type with variable height adjustment by imported Guide Rail to prevent shakes.</li><li>11. Fitted with Manometer for measurement of HEPA Filters Choking system.</li><li>12. Fitted with Cock for Gas Connection LPG/ Vacuum.</li><li>13. Motor-blower shall be designed for continuous operation.</li><li>14. Should have Air-flow 110 to 130 feet per min.</li><li>15. Cleanliness level shall be better than Class 100.</li><li>16. Ensure noiseless operation and anti-vibration construction.</li><li>17. Filter replacement warning signal.</li><li>18. Should be FDA/ CE/ BIS approved product.</li></ol> <p>Should conduct onsite Testing &amp; certification post-installation.</p>	
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**Annexure-II**

**TECHNICAL BID**

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

Authorized signatory of the bidder with seal.

**Annexure-III**

**MANUFACTURER'S / PRINCIPAL'S AUTHORIZATION FORM**

To

The Administrative Officer,  
All India Institute of Medical Sciences, Jodhpur

Sir,

TENDER: \_\_\_\_\_.

we, \_\_\_\_\_, who are established and reputable manufacturers of \_\_\_\_\_, having factories at \_\_\_\_\_ and \_\_\_\_\_, hereby authorize Messrs. \_\_\_\_\_ (name and address of agents) to bid, negotiate and conclude the contract with you against Tender

No. \_\_\_\_\_ for the above goods manufactured by us. No company or firm or individual other than Messrs. \_\_\_\_\_ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

The authorization is valid up to \_\_\_\_\_

Yours faithfully,

(Name)

For and on behalf of Messrs. \_\_\_\_\_  
(Name of manufacturers)/Principal.

**Annexure-IV**

**Financial Bid**

**A) FINANCIAL BID FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA OR GOODS TO BE IMPORTED AND SUPPLIED AGAINST PAYMENT IN INDIAN RUPEES**

1	2	3	4	5							6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)							Total Price (at AIIMS-Jodhpur) basis (Rs.)  = {4 x 5(g)}
				Ex - factory/ Ex-warehouse /Ex-showroom /Off-the shelf (a)	Excise Duty(if any) [%age & value] (b)	Sales Tax/ VAT(if any) [%age & value] (c)	Packing and Forwarding charges (d)	Inland Transportation, Insurance, loading/ unloading and Incidental costs at AIIMS-Jodhpur (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at AIIMS-Jodhpur (f)	Unit Price (at AIIMS-Jodhpur) basis (g)= (a+b+c+d+e+f)	

Total Tender price in Rupees: \_\_\_\_\_

In words: \_\_\_\_\_

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately.
3. The Bidder must quote price for "GOODS TO BE IMPORTED AND SUPPLIED AGAINST PAYMENT IN INDIAN RUPEES" after having taken in to account, the provision of Custom Duty Exemption Certificate (CDEC) by the Purchaser, as per Customs Tariff Act.

Place:

Date:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder:

**Supply, Installation and Commissioning of Equipment required in Pathology Department**

**Financial Bid**

**B) FINANCIAL BID FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5				6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)				Total price on Destination + Insurance (local transportation and storage)  = {4X 5 (d)}
				FOB price at port/ airport of Lading  (a)	Carriage & Insurance (port of loading to port of entry) and other Incidental costs**  (b)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at AIIMS-Jodhpur **  (c)	Unit Price on DDP AIIMS-Jodhpur + Extended Insurance (local transportation and storage)  (d) = a+b+c	

\*\* To be paid in Indian Currency (Rs.)

Total Tender price in foreign currency: \_\_\_\_\_

In words: \_\_\_\_\_

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted.
3. The Bidder will be fully responsible for the safe arrival of the goods AIIMS-Jodhpur in good condition as per terms of DDP as per INCOTERMS, if applicable.

Indian Agent:

Indian Agency Commission - \_\_\_% of FOB

Place:

Date:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder:



## Financial Bid

### C) FINANCIAL BID FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD:

1. S.No.	2. DESCRIPTION OF GOODS	3. QUANTITY. (Nos.)	4. Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					5. Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

\* After completion of Warranty period.

Service Tax: Whether extra or inclusive, if extra, indicates the rate \_\_\_\_\_.

**NOTE:-**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted as per NIT conditions on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. All software updates should be provided free of cost during CMC period.
6. The stipulations in Technical Specification will supersede above provisions
7. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Date:

Place:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder: