

Tender

For

Equipments required for Department of Anatomy

At

All India Institute of Medical Sciences, Jodhpur

**NIT Issue Date** : 21<sup>st</sup> January, 2016  
**NIT No.** : Admn/Tender/Anatomy/2015-AIIMS.JDH  
**Pre-Bid Meeting** : 08<sup>th</sup> February, 2016 at 11:00 AM.  
**Last Date of Submission** : 24<sup>th</sup> February, 2016 at 03:00 PM.



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

Basni Phase - II, Jodhpur, Rajasthan-342005.

Telephone: 0291- 2012978, email: [aoadmin@aiimsjodhpur.edu.in](mailto:aoadmin@aiimsjodhpur.edu.in)

[www.aiimsjodhpur.edu.in](http://www.aiimsjodhpur.edu.in)

## Supply, Installation and Commissioning of Equipment required in Anatomy Department

All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute 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 Anatomy at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

### Chapter-I

S.No	NIT No.	Item Description	Qty	EMD (Rs.)
01.	Admn/Tender/Anatomy/1/2015 -AIIMS.JDH	Wall mount Ventilated Embalming Station	1	37,000
02.	Admn/Tender/Anatomy/2/2015 -AIIMS.JDH	Ventilated Embalming table with tray	1	28,000
03.	Admn/Tender/Anatomy/3/2015 -AIIMS.JDH	Portable Embalming Machine	1	6,000
04.	Admn/Tender/Anatomy/4/2015 -AIIMS.JDH	Surgical light LED with HD camera	3	9,000
05.	Admn/Tender/Anatomy/5/2015 -AIIMS.JDH	Epi-fi attachment for Nikon eclipse TS 100 Microscope	1	9,000
06.	Admn/Tender/Anatomy/6/2015 -AIIMS.JDH	Histology LED projection gallery	4	12,000
07.	Admn/Tender/Anatomy/7/2015 -AIIMS.JDH	Deep freezer (Low Temp & Ultra Low Temp Chest Freezers -40°C)	1	10,000
08.	Admn/Tender/Anatomy/8/2015 -AIIMS.JDH	Museum jars (Borosilicate)	120	9,600
09.	Admn/Tender/Anatomy/9/2015 -AIIMS.JDH	Human Skeleton Full-articulated	5	20,000
10.	Admn/Tender/Anatomy/10/2015 -AIIMS.JDH	Motorized upright Fluorescence Research Microscope	1	28,000
11.	Admn/Tender/Anatomy/11/2015 -AIIMS.JDH	Cytogenetics workstation	1	46,000
12.	Admn/Tender/Anatomy/12/2015 -AIIMS.JDH	CO2 water-jacketed incubator	1	12,000
13.	Admn/Tender/Anatomy/13/2015 -AIIMS.JDH	Biologic safety cabinet	1	13,000
14.	Admn/Tender/Anatomy/14/2015 -AIIMS.JDH	Ultra Centrifuge	1	5,000
15.	Admn/Tender/Anatomy/15/2015 -AIIMS.JDH	Micropipettes	5	2,000
16.	Admn/Tender/Anatomy/16/2015 -AIIMS.JDH	Agarose Gel electrophoresis System	1	3,000
17.	Admn/Tender/Anatomy/17/2015 -AIIMS.JDH	Whole Body sectioning machine	1	3,000
18.	Admn/Tender/Anatomy/18/2015 -AIIMS.JDH	Desiccator	1	2,000

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 24<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 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 08<sup>th</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 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:-
- Installation & Commissioning, Supervision and Demonstration of the goods.
  - Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
  - 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.
  - Supplying required number of operation & maintenance manual for the goods.
  - 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:**
- 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.
  - 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.
  - 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.
  - 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:**
- All pages of the Tender should be numbered and indexed.
  - 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:**
- 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.
  - 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.
  - 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:**
- 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.;
  - 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;
  - 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;
  - The price of Incidental Services, as mentioned in List of Requirements and Financial Bid;
  - The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
  - 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:**

- The price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Financial Bid;



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- 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 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;
  - 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.

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 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.
- 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:**

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- 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 Specifications	Qty.
01.	<b>Wall mount Ventilated Embalming Station</b>	<ol style="list-style-type: none"> <li>1. Should have all stainless steel construction with heliarc welded seams and joints, ground and polished to a smooth finish.</li> <li>2. Should have vent system for connection to embalming tables.</li> <li>3. Should have exhaust duct for connection to existing building ventilation system for exterior connection at top of the station.</li> <li>4. Should have quick connect plumbing and electrical for connection to embalming tables.</li> <li>5. Should have full length specimen shelf of 12 inch/30 cm wide x length of the unit.</li> <li>6. Should have large radii on all inside corners for easy cleaning and required sanitation.</li> <li>7. Should have large single-compartment sink with rapid and positive drainage.</li> <li>8. Should have Cart – to – sink locking mechanism with side latch which can be accessed from either side of the carrier.</li> <li>9. Should have large instrument drawer.</li> <li>10. Should have GFCI duplex receptacles with waterproof cover.</li> <li>11. Plumbing and electrical lines should be factory installed and require only minimum installation.</li> <li>12. Should have light fixture over the work area.</li> <li>13. Should be either Left Sink or Right sink sided.</li> <li>14. Should have deluxe aspirator with reverse flow for additional waste removal “reverse flow” feature which instantly relieves suction clogging by providing a reverse pressure of water.</li> <li>15. Should have Hot and Cold water fixture with convenient goose-neck faucet and wrist handles.</li> <li>16. Should have Spray Hose assembly with cold water control valve, nozzle and 10 feet/3 meter of flexible hose.</li> <li>17. Should have the facility of complete back siphon protection provided by reduced pressure principle assembly.</li> <li>18. Should have heavy duty commercial disposal.</li> <li>19. Should have Dissecting area rinse assembly.</li> <li>20. Should have Dissecting board, photo blue color of dimension: Width: 20 - 22 in./50 - 55 cm Length: 15 - 18 in./ 38 - 45 cm Thickness: 0.5 - 1in./ 1- 2.5 cm</li> <li>21. Should have Magnetic Instrument holder.</li> <li>22. Should be supplied with USFDA/ European CE certificate.</li> <li>23. Dimension: Length: ----- 84 - 86 in./210 - 215 cm Width:----- 29 - 30 in./73 – 75 cm Working Height:----- 34 - 36 in./85 - 90 cm</li> </ol>	1
02.	<b>Ventilated Embalming table with tray</b>	<ol style="list-style-type: none"> <li>1. The embalming table should be constructed of stainless steel and equipped with rollers and should be designed as an integral part of the embalming process and for cadaver handling.</li> <li>2. Should be slopped for drainage and uses rollers that allows for easy loading and unloading of cadavers from Mortuary Refrigerators.</li> <li>3. Should have tray rinse facility for easy cleaning, sanitation and rapid disposal of waste materials.</li> <li>4. Should have fabricated frame 1.5 in. / 3 cm square, .12 tubing thickness, 304 stainless steel tubing.</li> <li>5. Stainless steel should have a grained finish and all welds should match adjoining surfaces.</li> </ol>	1

		<ol style="list-style-type: none"> <li>6. Should have Four (4) 8 in./ 20 cm casters, all with brake mechanism.</li> <li>7. Should be designed with a permanent slope of 2- 3 in./ 5 – 7.5 cm</li> <li>8. Should have flip latch to hold tray in position.</li> <li>9. Should have easy quick connections for electrical and water rinse assembly.</li> <li>10. Should have GFCI duplex receptacles with waterproof cover.</li> <li>11. Should have Two (2) Flip Tray rinse assemblies.</li> <li>12. Should have Two (2) side perforated exhaust downdraft ventilation for connecting to Ventilated Embalming Station.</li> <li>13. Should be supplied with appropriate <b>Tray</b> which fits on the table top.</li> <li>14. Should be supplied with USFDA/ European CE certificate.</li> <li>15. Dimension: <ul style="list-style-type: none"> <li>Length: ----- 80 - 82 in./200 - 205 cm</li> <li>Width:----- 32 - 34 in./80 - 85 cm</li> <li>Height (Tray working):----- 34 - 36 in./85 - 90 cm</li> <li>Height (Overall)----- 38 - 40 in./95 – 100 cm</li> </ul> </li> </ol>	
03.	<b>Portable Embalming Machine</b>	<ol style="list-style-type: none"> <li>1. Should be equipped with magnetic drive high speed pump.</li> <li>2. It should automatically shut off when fluids run out.</li> <li>3. The cabinet should be durable and hoses with quick disconnect assembly.</li> <li>4. Height: 24-26 in/60-65 cm</li> <li>5. Width: 14-16 in/35-40 cm</li> <li>6. Depth: 14-16 in/35-40 cm</li> <li>7. High pressure 0-80 lbs</li> <li>8. Flow rate: 0-1 gpm</li> <li>9. 3-5 gallon/13-15 litter glass fluid jar capacity</li> <li>10. Should have powerful high speed 1/5 hp quiet motor.</li> <li>11. Should have solid state lining pulsator</li> <li>12. Should be supplied with USFDA/ European CE certificate.</li> </ol>	1
04.	<b>Surgical light LED with HD camera</b>	<p><b>Surgical Light LED with HD camera:</b>  <b>Specification of Led Operation Light</b></p> <ol style="list-style-type: none"> <li>1. OT Light should be based on Latest LED technology with two head of 600mm diameter or more with integrated multi lens system for focused light.</li> <li>2. Each lamp head should be fitted with 30 or more individual LEDs of 5w each. Each Led should be individually replaceable for low maintenance cost.</li> <li>3. Each lamp head should be fitted with total 6 or more modules having 5 - 8 LEDs in each module. Each Module should be fitted with White &amp; yellow LED to provide natural day light.</li> <li>4. To ensure safety of OT light each module should be fitted with separate driver.</li> <li>5. 10 Step digital control to be provided for dimming of light. On/ off &amp; dimming facility to be provided in the control fitted on the dome.</li> <li>6. Special Sterilisable handle to be provided for focusing as well as for position the light.</li> <li>7. The Sterilisable handle should be removed completely without touching any part of the light.</li> <li>8. The Spring Arm stroke should be around 800mm. It should be easily balanced via spring balance.</li> <li>9. The Unit Should be Supplied with two separate Good quality SMPS.</li> </ol> <p><b>Technical Data :</b></p> <ol style="list-style-type: none"> <li>1. Lamp Head : 600mm Diameter + 600mm Diameter</li> <li>2. Light Intensity : 1,20,000 Each Dome + 1,20,000 Each Dome</li> </ol>	3

	<p>3. Color Temp : 4500 K          4. No of Led : 30 nos – 40 nos          5. Light Field Dia : 120mm          6. Colour Rendering Index : 96          7. Certificate : CE and ISO 9001, 14001, 13485, WHO-GMP, OHSAS 18001</p> <p><b><u>Surgical Light camera Specification :</u></b>          The camera system can be operated with integrated OR system. Digital image data is recorded in Digital Video Recorder (DVR).</p> <p><b>Camera Specification :</b></p> <ol style="list-style-type: none"> <li>1. Size : 1/4 inch , Colour Super HAD CCD</li> <li>2. Total Pixels : 811 H x 508 V</li> <li>3. Effective number of Pixels : 768 H x 494 V</li> <li>4. Optics : 30X , f = 3.3 to 99.0mm ( F 1.6 to 3.2 )</li> <li>5. D. Zoom : OFF / ON ( limit 10 x )</li> <li>6. Angle Field of View: H : Approx. 58 degree ( wide ) to 2.22” ( tele )              V: Approx. 44.8 degree ( wide ) to 1.68” ( tele )</li> <li>7. Resolution : 520 TV lines ( Min ) : Colour 570 TV lines ( Min ) : B/W</li> <li>8. Zoom : 27 X optical &amp; 10 x Digital Zoom</li> <li>9. Video Output : CVBS : 1.0Vp-p /75Ω</li> <li>10. S/N ( Y Signal ) : 50 dB ( AGC off , Weight ON )</li> <li>11. Min Illumination : 0.6Lux @ F1.6: Colour / 0.1 Lux@ F1.6 : B/W</li> <li>12. Backlight Compensation : LOW/MIDDLE/HIGH/OFF Selectable</li> <li>13. Day &amp; night : AUTO/COLOUR/B/W( ICR type )</li> <li>14. Gain Control : low , Middle , high , OFF Selectable</li> <li>15. White Balance : ATW ( INDOOR (3,000K ~10,500K) / AWC /MANUAL</li> <li>16. Electronic Shutter Speed : AUTO/ MANUAL ( X 128 ~ 1/60 SEC ~ 1/120,000SEC ) sens-up limit is selectable</li> <li>17. O.S.D : Built In</li> <li>18. Motion Detection : ON/ OFF ( Buit in alarm Output Connector )</li> <li>19. SSNR : LOW/MIDDLE/HIGH/OFF Selectable ( noise Control )</li> <li>20. Focus : Auto / Manual / One Push</li> <li>21. Zoom Movement Speed : 5.2 Sec : Wide to Tele</li> <li>22. Lens Initialize : Built- in</li> <li>22. Preset : 8- Positions</li> <li>23. DIS : ON / OFF</li> <li>24. Privacy Function : ON / OFF ( 32 Zones , 8 group . 4 Programmable Zone per screen )</li> <li>25. FLIP : LEFT/RIGHT , UP/DOWN</li> <li>26. FREEZE : On / Off</li> <li>27. IRIS Control : Auto / Manual</li> <li>28. Communication:RS-485(2,400bps,4800bps,9600bps,19200bps, 38,400 bps 57,600bps selectable)</li> <li>29. Control output : External Control by Voltage ( ZOOM,FOCUS )</li> <li>30. Operating Temperature/ Humidity : -10°C to +50°C / 30% to 90 % RH</li> </ol> <p><b>DVR ( Digital Video Recorder Specification ) :</b></p> <ol style="list-style-type: none"> <li>1.Video ( H.264 ) / Audio ( ADPCM )</li> <li>2.Up to 4 ch audio inputs and 1 ch audio output</li> <li>3.Combined BNC and VGA video out for main display ( up to 1280 x 1024 )</li> <li>4.SATA I/F HDD Support ( internal Max HDD x 1 )</li> <li>5.HDD &amp; DVD SATA interface</li> </ol>	
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		6.Built in Web viewer	
05.	<b>Epi-fi attachment for Nikon eclipse TS 100 Microscope</b>	<ol style="list-style-type: none"> <li>1. T1-FM Epi-fluorescence Attachment, with field diaphragm,</li> <li>2. Fluorescence filter cube holder(2 filter cubes mountable, 1 empty position), Heat absorbing filter, Lamphouse for 50 W mercury lamp</li> <li>3. Light shielding plate, UV-cut filter (detachable)</li> </ol>	<b>1</b>
06.	<b>Histology LED projection gallery</b>	<ol style="list-style-type: none"> <li>1. Clip on LED board with aluminium frame, 2mm clear acrylic sheet in the Front, 5mm LGP (Light guide panel) sheet with the LED lights mounted in the periphery.</li> <li>2. High resolution print (illustrations – will be provided by the department) on backlit film using Latex inks (environment friendly green inks).</li> <li>3. The inks should be non-fading up to 20 years indoor.</li> <li>4. The film will be sandwiched between the acrylic sheet and LPG sheet.</li> <li>5. The thickness of the board to be 1.5” and should consume less than 40watts each.</li> </ol>	<b>4</b>
07.	<b>Deep freezer (Low Temp &amp; Ultra Low Temp Chest Freezers -40°C)</b>	<ol style="list-style-type: none"> <li>1. Temperature range should be from -10<sup>0</sup>C to -40<sup>0</sup>C</li> <li>2. System should be compression freezer with CFC free refrigerant gas.</li> <li>3. System should be horizontal and should have working volume of 450-600 liters.</li> <li>4. System should be microprocessor controlled with digital display of all functions.</li> <li>5. Construction <ol style="list-style-type: none"> <li>a) Internal , high-grade stainless steel 304 (AISI Grade) with rounded corners for easy cleaning.( minimum 22 gauge) non corrosive, non magnetic</li> <li>b) External corrosion resistant at least 1mm thickness</li> <li>c) System should have minimum 5 inches thick foamed-in-place urethane insulation</li> <li>d) System should offer positive closure to assure tight seal against double independent door gaskets to minimize frost build-up.</li> <li>e) Adjustable solid stainless steel shelves.</li> </ol> </li> <li>6. Internal Temperature control <ol style="list-style-type: none"> <li>a) System should have operating temperature &amp; high/low limit alarm functions with set point adjustable in steps of 1<sup>0</sup>C.</li> <li>b) System should have down-feed evaporator for efficient refrigerant flow.</li> <li>c) System should have washable condenser filter to maintain peak cooling efficiency. It should also have indicator for advising removal and cleaning of dirty filters.</li> </ol> </li> <li>7. External ambient temp - Should perform in ambient temp up to +43<sup>0</sup>C</li> <li>8. Safety system <ol style="list-style-type: none"> <li>a) System should have key operated switch for main power and alarm system.</li> <li>b) System should have large and clear Digital displays for the set/run parameters.</li> </ol> </li> <li>9. Temperature monitoring <ol style="list-style-type: none"> <li>a) System should have 7 day Digital temperature recording system with 0.1 graduation</li> <li>b) System should have adjustable safety alarms with automatic, continuous charged battery back-up to provide alarm functions even in case of power failure.</li> <li>c) System should have exterior alarm contacts for connection to remote</li> </ol> </li> </ol>	<b>1</b>

		<p>monitoring system.</p> <p>d) System should have inbuilt features to identify any temperature deviation beyond alarm set point, to show the error that has occurred and to display if it had been auto-corrected.</p> <p>10. System should have automatic voltage boost compensation for low voltage conditions.</p> <p>11. Suitable Automatic Voltage regulator/stabilizer meeting ISI specifications should be supplied. Broad specifications are : Automatic Type Input 150-280V , Output 220 V +/- 7 % , 50 Hz . Single phase , AC with automatic 2-4 sec Cut Off and 6-9 minutes restart delay.. Quick start arrangements for bypassing the start delay. Suitable MCB on input voltmeter and indicators on Front Panel. Input Power Cable with 15 A Plug and six way output terminal strip for two outlets.</p> <p>12. Electrical connections: 220 volt 50 HZ.</p> <p>13. List of spares to be provided and Quote Rates for the following essential spares:(01each) Compressor ;Evaporator ;Evaporator fan motor; Condenser fan motor ;Filter drier; Condensate heater ;Service valve; Control unit; Transformer ;Thermostat ;Lamp ;Contactor ;Relay ;Relay base ;Door switch ;Door gasket.</p> <p>14. Should comply with International Electromagnetic Compliance standards like IEC OR EMC Directives. Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450</p> <p>15. The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%</p> <p>16. The unit shall be capable of operating continuously in ambient temperature of 5 to 45 deg C and relative humidity of 15-90%</p> <p>17. 3hrs battery backup for cooling.</p>																					
<p><b>08.</b></p>	<p><b>Museum jars (Borosilicate) all measurement are in mm.</b></p>	<p>Moulded 3.3 Borosilicate glass (without any joints) and glass plate for mounting (variation of upto 20mm in any dimension is acceptable) Thickness—3-5mm Optically clear and colourless, transparent Resistant to following chemicals— Formaldehyde Alcohol (methyl, ethyl) Potassium acetate Thymol Glycerol Xylene</p> <table border="1" data-bbox="416 1525 1401 2134"> <thead> <tr> <th data-bbox="416 1525 1139 1615">Particular in mm. Length x Breadth x Height</th> <th data-bbox="1139 1525 1401 1615">Quantity</th> </tr> </thead> <tbody> <tr> <td data-bbox="416 1615 1139 1666">200 x 250 x 500</td> <td data-bbox="1139 1615 1401 1666">8</td> </tr> <tr> <td data-bbox="416 1666 1139 1718">200 x 100 x 450</td> <td data-bbox="1139 1666 1401 1718">3</td> </tr> <tr> <td data-bbox="416 1718 1139 1769">200 x 150 x 300</td> <td data-bbox="1139 1718 1401 1769">10</td> </tr> <tr> <td data-bbox="416 1769 1139 1821">200 x 100 x 300</td> <td data-bbox="1139 1769 1401 1821">19</td> </tr> <tr> <td data-bbox="416 1821 1139 1872">200 x 250 x 180</td> <td data-bbox="1139 1821 1401 1872">4</td> </tr> <tr> <td data-bbox="416 1872 1139 1924">200 x 200 x 300</td> <td data-bbox="1139 1872 1401 1924">3</td> </tr> <tr> <td data-bbox="416 1924 1139 1975">200 x 150 x 500</td> <td data-bbox="1139 1924 1401 1975">3</td> </tr> <tr> <td data-bbox="416 1975 1139 2027">200 x 250 x 800</td> <td data-bbox="1139 1975 1401 2027">2</td> </tr> <tr> <td data-bbox="416 2027 1139 2134">120 x 120 x 200</td> <td data-bbox="1139 2027 1401 2134">10</td> </tr> </tbody> </table>	Particular in mm. Length x Breadth x Height	Quantity	200 x 250 x 500	8	200 x 100 x 450	3	200 x 150 x 300	10	200 x 100 x 300	19	200 x 250 x 180	4	200 x 200 x 300	3	200 x 150 x 500	3	200 x 250 x 800	2	120 x 120 x 200	10	<p><b>120</b></p>
Particular in mm. Length x Breadth x Height	Quantity																						
200 x 250 x 500	8																						
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200 x 250 x 180	4																						
200 x 200 x 300	3																						
200 x 150 x 500	3																						
200 x 250 x 800	2																						
120 x 120 x 200	10																						

		100 x 250 x 400	1		
		150 x 200 x 300	4		
		150 x 100 x 200	13		
		150 x 150 x 250	4		
		250 x 300 x 850	4		
		250 x 200 x 450	5		
		250 x 200 x 650	1		
		300 x 150 x 300	6		
		300 x 200 x 250	4		
		400 x 250 x 400	8		
		400 x 250 x 700	2		
		400 x 100 x 255	5		
		400 x 150 x 450	1		
<b>09.</b>	<b>Human Skeleton Full-articulated</b>	Male articulated original human skeleton	Showing origin and insertion of the muscles painted in red and blue colours respectively on the bones on both sides with wooden showcase having three sided glass frame with lock system with wheel base & provision of hook on the roof for hanging the original human full skeleton	2	<b>5</b>
		Female articulated original human skeleton		2	
		Articulated original human skeleton of Child age 5-12 years (Male/Female)		1	
<b>10.</b>	<b>Motorized upright Fluorescence Research Microscope</b>	<b>Microscope Stand:</b>	Motorized Z-focus drive with minimum step resolution of 10nm-15nm with dedicated TFT touch screen. 8- 10 Position motorized fluorescence filter turret, 6-7 position motorized nosepiece facility with slot for DIC.	<b>1</b>	
		<b>Observation Tube:</b>	Trinocular Observation tube with inclination angle of 30 degree. Field of view 22mm or more. Three way light distributions of 100:0/20:80/0:100.		
		<b>Condenser</b>	Swing-out condenser suitable for all magnifications.		
		<b>Revolving Nosepiece:</b>	Motorized nosepiece with a slot of minimum 6-7 positions with DIC slot.		
		<b>Eyepieces</b>	Paired Wide field Eyepieces of 10X with minimum field of view about 22mm or better, focusable & adjustable diopter setting		
		<b>Illumination:</b>	12V 100W transmitted Halogen illumination or high transmitted LED.		

		<p><b>Objectives</b></p> <p>Plan Apochromat 4X/5X  Plan Apochromat 10x/0.40  Plan Apochromat 20x/0.75 (Spring)  Plan Apochromat 40x/0.90 (Spring)  Plan Apochromat 60x or 63x /1.35 (Oil, Spring)  Plan Apochromat 100X/1.40 (Oil, Spring)  Automatic change in objectives or filter turret should be recognized by the system and the system should automatically align the components.</p>	
		<p><b>Mechanical Stage</b></p> <p>Right hand mechanical stage with two slide holder.</p>	
		<p><b>Fluorescence Attachment:</b></p> <p>It should have 8-10 position or better reflector turret mount for mounting different filter cubes.</p>	
		<p><b>Fluorescence Illumination</b></p> <p>High Intensity 130W Mercury or 120W metal halide Illumination. The light source should be fiber coupled to the microscope with lifespan of at least 2000 hrs.</p>	
		<p><b>Fluorescence Filters</b></p> <p>Complete fluorescence filter set for all FISH Applications</p> <p>(a) One complete filter block for DAPI  (b) One complete filter block for FITC  (c) One complete filter block for TRITC  (d) One complete filter block for FITC/TRITC (Dual Band)  (e) One complete filter block for DAPI/FITC/TRITC (Triple Band)  (f) One complete filter block for Spectrum Aqua</p> <p>All the filters should be narrow band pass filters.</p>	
11.	Cytogenetics workstation	<p><b>Monochrome CCD Camera</b></p> <ul style="list-style-type: none"> <li>• Digital CCD camera with high sensitivity and low noise.</li> <li>• Chip size should be 2/3”</li> <li>• High resolution of 1360x1024 pixels with pixel size of 6.45 x 6.45um</li> <li>• Digitization depth – 12 bit</li> <li>• Frame rate of 17 frames per second (fps) in full resolution</li> <li>• C-mount adapter 0.63x</li> </ul>	1
		<p><b>Karyotyping &amp; Fish System with Software</b></p> <ul style="list-style-type: none"> <li>• <b>Database Management Software</b> – A modern paperless laboratory design management software.  Manage data, compare chromosomes and produce comprehensive reports to ensure optimal chromosomal analysis statistical analysis and cross-case comparison of all the data.  As a powerful search tool to filter specific cases and cells by any field and/or subtext. A flexible image gallery for viewing of all case images.  Support multiple languages, Thumbnail images</li> </ul>	

			<p>of RAW, Processed FISH or completed images should be seen in database, The utility to create a report from a freehand combination of chromosomes from any case/s and allow their enhancement with ideograms, comparison etc., generate highly configurable customized reports (Word/PDF).</p> <ul style="list-style-type: none"> <li>➤ <b>Software for Karyotyping analysis</b> - Ability to handle G-,R-,Q- banding, polyploid cells and markers (both bright field and fluorescent metaphases), automatic contour to widen and shrink the chromosome in one click, ability to add missing telomeric regions directly in karyotype view, ability to score, count and analyze chromosomes, Ability to display spine and centromere of all chromosomes, annotate and prepare the customized ideograms, Support of ISCN ideogram with 300, 400, 550, 700 and 850 band resolutions, Automatic Relocation of Previously found cells. Advanced automation offering background uniformity correction, automatic segmentation of touching chromosomes, optimized image enhancement, contrast and band sharpness, ‘</li> <li>• <b>FISH Software</b> – Ability for full karyotyping support with unique band enhancement and signal sharpening. Support for automated filter wheels, Z-stacking, Up to 12 fluorochrome channels per image, Handles metaphase, interphase and tissue samples with two, three or more probes, Extended focus image generation from focus image series, Full Karyotyping capabilities for karyotyping of FISH probes, Exporting 3D scanned data for external 3D analysis and visualization. Automatic Image exposure and enhancement, together with the auto-conversion of image sequences at various focal planes (3D Z-Stacking). Automatic background, contrast, brightness and sharpness adjustments, to enable optimal display of the faintest signals in a few seconds.</li> <li>• Integrated quantitative signal and objective analysis module. Cell or object segmentation, followed by morphology and intensity analysis to extract the exact data required.</li> <li>➤ Should compatible to Color Karyotyping upgrade</li> </ul>	
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			<ul style="list-style-type: none"> <li>➤ Should compatible to mFISH/ mBAND upgrade</li> </ul> <p><b>MULTI SPECIES KARYOTYPING SOFTWARE:</b></p> <p>To Support Multiple Species, any number of chromosomes, flexible karyotype template, should work under same karyotyping software as human with same capabilities and functions.</p> <p>Support any number of chromosomes and classes, even hundreds of chromosomes in a karyotype.</p> <p>Design of any number of lines and groups at each line in the karyotype.</p> <p>Free definition of text for each chromosome class, including any option of sex chromosome.</p> <p>Dynamic update of Karyotype, to support the most highly abnormal aberrations and ploidy without any need to change the karyotype design or template.</p> <p>Supporting various staining schemes in bright field and fluorescence</p> <p>Fast Training mechanism based only on a single to a small number of metaphases.</p> <p>Multiple classifiers to support any animal and plant karyotype.</p> <p>Automatic karyotyping based on trained data, supporting ploidy.</p> <p>Predefined Ideograms for several species with capability to add custom or additional Ideogram for new species.</p>		
		<b>Workstation</b>	Compatible latest branded computer Intel i5 processor 3.6 GHz with at least 4GB Ram, 500GB HDD, 1GB Graphic memory, Windows 7 professional 64 bit, 24 inch TFT screen, Compatible online UPS with 30 minutes backup to support the entire system.		
		<b>Certificates</b>	Complete hardware system should be European CE/USFDA certified. Cytogenetic software should be FDA cleared.		
		<p><b>OPTIONAL:</b></p> <p><b>SPECTRAL KARYOTYPING:</b></p> <p><b>Features for SKY/MFISH software:</b></p> <ul style="list-style-type: none"> <li>➤ Ability to analyze chromosomes on colour/spectral properties.</li> <li>➤ Precise and robust accuracy.</li> <li>➤ Image to be captured in single focusing.</li> <li>➤ Accurate quantification of nonspecific staining.</li> <li>➤ Accurate background subtraction/correction.</li> <li>➤ Invariant to dye intensity variation.</li> <li>➤ Intuitive easy-to-use tools to analyze subtle rearrangements and complex translocations.</li> <li>➤ Acquisition should provide interferometer based spectral data and its bandwidth should be under software control.</li> <li>➤ Multi-function tool which eliminates the need for switching between other functional tools.</li> </ul>			

		<ul style="list-style-type: none"> <li>➤ Spectral range: 400-1000 micron.</li> <li>➤ Spectral resolution of 6nm at 400nm.</li> <li>➤ Live view for focus with full spectral data. Simultaneous measuring of all wavelengths.</li> <li>➤ Extract quantitative per pixel information on molecular/stain content.</li> <li>• <b>mCounter</b> – Counting by intuitive use of the mouse and keyboard to replace existing lab counters and to enable easy spot count for numerical changes, or classify cells according to their signal pattern, instantly providing statistics for customized reports.</li> <li>• <b>Multi Species support:</b> Dynamic karyotype table to fit any species type. A predefined library for multiple species and capability to add custom ideograms of animal or plant species.</li> </ul>	
12.	<b>CO2 water-jacketed incubator</b>	<ol style="list-style-type: none"> <li>1. Inner total volume 180 to 190 liters.</li> <li>2. Water Jacket Volume - 20 L</li> <li>3. Temperature Control Method - Direct Heat and Water Jacketed using PID microprocessor</li> <li>4. Temperature Range Ambient +3°C to 60°C Temperature Uniformity ± 0.2°C Temperature Fluctuation ± 0.1°C</li> <li>5. Temperature Recovery time (after 1 min. door opening, 98% from initial value) - 4 minutes</li> <li>6. Power off Temperature Drop Rate: 1 hour – 1.8°C 10 hours- 7.0°C</li> <li>7. CO<sub>2</sub> Range 0-20%</li> <li>8. Built in HEPA filter Airflow System (100% HEPA filtered air within 1 minute) and positive chamber pressure.</li> <li>9. Alpha numeric character display screen and message screen.</li> <li>10. Alpha numeric message for HEPA filter replacement.</li> </ol>	<b>1</b>
13.	<b>Biologic safety cabinet Class II A</b>	<ol style="list-style-type: none"> <li>1. The system should be microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.</li> <li>2. Motor must automatically adjust the air flow speed to ensure continuous safe working condition. Air flow shall be as per requirements of Biosafety regulations in respect of at least BSC II A level cabinet.</li> <li>3. The cabinet noise level must be less than 60 decibel.</li> <li>4. Dimensions (Cabinet Size): 4 to 6 feet. The interior of the cabinet shall be of stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users.</li> <li>5. In order to ensure consistent and reliable down flow velocity across the supply HEPA filter over the life of the cabinet, the cabinet must use a pressure sensor to detect pressure drop across the supply filter. The pressure sensor must be encased in order to protect the sensor form temperature, humidity and other environmental phenomena that can impact the sensor's performance.</li> <li>6. Fluorescent lamps for lighting of the interior of the cabinet. Front of the cabinet preferably be angled to help minimize glair.</li> <li>7. A provision for UV light to disinfect the interior of the cabinet. UV light must be programmable to allow for specific exposure time from 0 to 24 hrs. Automatic UV switch OFF'on opening of front window.</li> <li>8. The front window should be made of laminated safety glass to protect against leakage of UV rays and to ensure containment of potential</li> </ol>	<b>1</b>

		<p>hazardous material.</p> <p>9. Safety alarm / safety display for: Low air velocity, Faulty exhaust fan etc.</p> <p>10. Power input to be 220-240 V AC, 50 Hz fitted with Indian plug.</p> <p>11. Should be USFDA/ CE/ BIS approved product.</p> <p>12. Movable stands.</p> <p>13. UPS backup for 3 hrs duration.</p> <p>14. Warranty should cover UPS and batteries.</p> <p>15. Calibration certificate shall be provided at the time of installation in respect of all the parameters that require calibration.</p>	
14.	<b>Ultra Centrifuge</b>	<p>1. Working Voltage == 220-230 Volts</p> <p>2. RPM / g – 100,000 RPM / 800,000g</p> <p>3. Temperature 00 - 400°C</p> <p>4. Easy Protocol Set up</p> <p>5. Rotar Tracking Facility</p> <p>6. Password Protected</p> <p>7. User Defined Programed</p> <p>8. With brushless DC motor for a smooth and quiet operation, low noise level (less than 60 db at Max. RPM)</p> <p>9. Capacity – 1.5 ml (2.00ml) x 12 tubes (rotor included)</p> <p>10. Maximum speed 13,500 rpm (fcf 12,225 x g)</p> <p>11. Speed Control +/- 10RPM – Rotor Requirements : (a) Angular (b) Swing out with compatible tubes and adaptors</p> <p>12. Short acceleration and braking times</p> <p>13. Digital timer function with continuous running mode (99 hrs. 59 min)</p> <p>14. High performance micro-processor based control</p> <p>15. LCD-Touch Screen Display</p> <p>16. Stabilizer: Good Quality Compatible and Robust.</p> <p><b>Capacity</b> – 1KVA</p> <p><b>Input voltage</b> 145-270 volt</p> <p><b>Output</b> – 200-240 volt</p> <p><b>Automatic</b></p>	<b>1</b>
15.	<b>Micro-pipettes</b>	<p><b>Multichannel Pipette 20-200 micro liters (µL)</b></p> <p>A. This 8-well multichannel micropipette should be ideal for use with standard 96-well formats.</p> <p>B. Must contain an adjustable working volume range of 20–200 µl.</p> <p>C. A volume lock feature is required to prevent any accidental volume changes. Should have an ergonomic handle for right- and left-hand use, the manifold can rotate 360° for added pipetting comfort.</p> <p>D. A curved ejector design must be present to pushes tips off in a single step with minimal applied force.</p> <p>E. Each channel should have an independent, precision piston assembly to ensure accuracy and reproducibility from one pipetting series to the next as well as between channels.</p> <p>F. Each pipet must be tested and supplied with a certificate of quality and a calibration key.</p> <p>G. The multichannel pipet should be autoclavable.</p> <p><b>Micropipette Controller</b></p> <p>A. A cordless pipet controller can be used with all plastic or glass pipets between 1 and 100 ml.</p> <p>B. Single-hand operation must easy with two button speed control for aspirating and dispensing.</p> <p>C. A large LCD display should clearly indicates battery status, pipet mode, and pipet speed.</p> <p>D. The unit must come with a bench stand, wall mount, charger, and</p>	<b>5</b>

		0.45 µm filter.	
16.	<b>Agarose Gel electrophoresis System</b>	<p>- <b><u>For Electrophoresis Apparatus</u></b></p> <ol style="list-style-type: none"> <li>1. Cell size (W x L x H) 17.8 x 25.5 x 6.8 cm, and 9.2 x 25.5 x 5.6 cm</li> <li>2. Gel tray sizes (OD) (W x L) Should be 15 x 7 cm, 15 x 10 cm, 7 x 7 cm, 7 x 10 cm</li> <li>3. Ready agarose gels accommodated for wide mini and 96 Plus formats, 8-, 12-, 2 x 8-well.</li> <li>4. Sample throughput around 10–60</li> <li>5. Base buffer volume approximately ~650 ml</li> <li>6. Should not have Buffer recirculation</li> <li>7. Bromophenol blue migration ~4.5 cm/hr (at 75 V)</li> </ol> <p>- <b><u>For power pack</u></b></p> <ol style="list-style-type: none"> <li>1. Suitable for running horizontal and vertical electrophoresis applications.</li> <li>2. Should have control of constant voltage output as well as constant current output.</li> <li>3. Output current should be in the range 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) and timer; 1 min–99 hr 59 min, fully adjustable and crossover. Output terminals 4 pair recessed banana jacks in parallel.</li> <li>4. Manual programming of voltage, current, temporary changes to power and time parameter can be made in the power pack without interrupting the run.</li> <li>5. 4 or more frequently used programme should be stored in the system of power pack.</li> <li>6. Should include Safety compliance No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection Input protection Fuse on hot and neutral.</li> <li>7. Should be suitable to operate at 220 to 230 V AC, 50 to 60 Hz.</li> <li>8. Should have UV torch with dual Wavelength (365 and 254 nm) for gel viewing and gel rocker for gel staining.</li> <li>9. Certification: ISO or equivalent</li> </ol> <p><b>OPTIONAL:</b></p> <p><b>SPECTRAL KARYOTYPING:</b></p> <p><b>Features for SKY/MFISH software:</b></p> <ul style="list-style-type: none"> <li>➤ Ability to analyse chromosomes on colour/spectral properties.</li> <li>➤ Precise and robust accuracy.</li> <li>➤ Image to be captured in single focusing.</li> <li>➤ Accurate quantification of nonspecific staining.</li> <li>➤ Accurate background subtraction/correction.</li> <li>➤ Invariant to dye intensity variation.</li> <li>➤ Intuitive easy-to-use tools to analyse subtle rearrangements and complex translocations.</li> <li>➤ Acquisition should provide interferometer based spectral data and its bandwidth should be under software control.</li> <li>➤ Multi-function tool which eliminates the need for switching between other functional tools.</li> <li>➤ Spectral range: 400-1000 micron.</li> <li>➤ Spectral resolution of 6nm at 400nm.</li> <li>➤ Live view for focus with full spectral data. Simultaneous measuring of all wavelengths.</li> </ul>	1

		<p>➤ Extract quantitative per pixel information on molecular/stain content.</p> <ul style="list-style-type: none"> <li>• <b>mCounter</b> – Counting by intuitive use of the mouse and keyboard to replace existing lab counters and to enable easy spot count for numerical changes, or classify cells according to their signal pattern, instantly providing statistics for customized reports.</li> <li>• <b>Multi Species support:</b> Dynamic karyotype table to fit any species type. A predefined library for multiple species and capability to add custom ideograms of animal or plant species.</li> </ul>	
17.	<b>Whole Body sectioning machine</b>	<ol style="list-style-type: none"> <li>1. Bone &amp; Meat Cutting Machine: Useful for preparing specimen of big size in anatomy, fitted with large moving table and extension table operated on four ballbearing rollers.</li> <li>2. Specifications :- size of cutting table 785 Å~ 585 mm approx;</li> <li>3. total table travel 1245 mm approx;</li> <li>4. extension table 455 Å~ 760 mm approx;</li> <li>5. size of wheel 455 mm approx; height 1700 mm approx;</li> <li>6. The table is made of thick S. S. Sheet with special heavy axles for easy and firm movement.</li> <li>7. Supplied complete with one blade, starter, cord and plug. Suitable to work on 220 v, single phase, 50 Hz, ac supply</li> </ol>	1
18.	<b>Desiccator</b>	<p>Maximum vacuum of 1 Torr for 72 hrs. Greaseless airtight vacuum seal using high quality silicon gasket. Highly transparent, shatter- proof, non-corrosive and easy to clean polycarbonate (PC) construction. Convenient three way stopcock providing consistent and uniform vacuum draw, vacuum release or shut off. Flange lock holding the base and the lid together during non vacuum conditions. UV – blocking to minimize damages or discoloration of light- sensitive samples. A vacuum gauge attached at the center of the lid.</p> <p>Size: DiaøxH mm 385-390 x 475-480</p> <p>Capacity Lts. : 20 - 30</p> <p>Colour : Clear/ transparent.</p>	1



**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 Anatomy 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: