

Published on 08.10.219, Amar Ujala, Lucknow, Hindustan Times, New Delhi

INSTITUTE OF MEDICAL SCIENCES
VIBHUTI KHAND , GOMTI NAGAR, LUCKNOW- 226 010
Phones: 0522-4918502, 4918510, Fax 0522-4918506 Website : www.drmlims.ac.in

Ref. No. RMLIMS/MM(eq)/2019-20/ 2777

Date:- 07.10.2019

RE-TENDER/E-TENDER NOTICE

On line offers are invited through e-tender from Manufacturer/Direct Importers/Authorized distributors for the supply of various items. **The offers submitted earlier for the listed items by the bidders against tendered/re-tendered advertisement no. RMLIMS/MM(eq)/2019-20/1474, 1771 & 2369 dated 17.07.2019, 02.08.2019 & 12.09.2019 will be treated as cancelled. Therefore, those who have already submitted their offer against above advertisement are also required to submit again and they are required to deposit tender fee and EMD afresh and enclose its proof in technical bid as per tender terms & conditions, along with their complete offer. Earlier EMD deposited against the above mentioned cancelled tenders will be refunded to the bidder on their request.**

For detailed information like Name of Equipments, Date of submission, tender fee and opening of tender etc., you may please visit the e-tender portal www.etender.up.nic.in. The offer will be accepted on line only on e-tender portal with terms and conditions as mentioned in tender document. Any amendment will be uploaded only on the e-tender portal www.etender.up.nic.in. Details are also available in our website www.drmlims.ac.in for reference only.

Director

Advertisement no. RMLIMS/MM(eq)/2019-20/2777 dated 07.10.2019

- Start date of Submitting of e-Tender is:- 09.10.2019
- Last date of Submission of e-Tender is:- 23.10.2019 upto 4:00 P.M.
- Date of opening of Technical bid is :- 24.10.2019 from 03:00 P.M. onwards

Equipment list

Sr. no.	Name of Department	Name of Equipment	Qty	Tender Fees including @18% GST	EMD Amount	Total Estimated price
1	Surgical Oncology	Video Largo Bronchoscope (3 rd time offer)	01	2360	10500	10,00,000.00
2	Nephrology	Body Composition Analyzer (3 rd time offer)	01	2360	10500	10,00,000.00
3	ENT	Endoscopy System (3 rd time offer)	01	2360	50500	50,00,000.00
4	General Surgery	Lower Urinary Tract (Endourology Set (3 rd time offer)	01	2360	50500	50,00,000.00
5	Gastromedicine	Multi-Axial C-Arm Machine (3 rd time offer)	01	2360	150500	1,50,00,000.00
6	ENT	Operating Instrument (3 rd time offer)	01 set	2360	40500	40,00,000.00
7	PMR	Cryotherapy unit with airflow technology (3 rd time offer)	01	2360	15500	15,00,000.00
8	General Surgery	CHOLEDOCHOSCOPE (3 rd time offer)	01 set	2360	15500	15,00,000.00
9	Transfusion Medicine	Refrigerated centrifuge for blood bags (3 rd time offer)	01	2360	25500	25,00,000.00
10	Pediatric	Portable RO System For Pediatric Hemodialysis (3 rd time offer)	01	2360	16500	16,00,000.00
11	Nephrology	ACT Machine (2 nd time offer)	01	2360	5500	5,00,000.00
12	Pathology	Automated Work Station from staining to cover Slipping (4 th time offer)	01	2360	20500	20,00,000.00
13	Gastrosurgery	Mini Laparoscopy Instruments (2 nd time offer)	01 set	2360	25500	25,00,000.00

TENDER DOCUMENT 2019-20
GENERAL TERMS & CONDITIONS FOR INVITING E-TENDER NOTICE NO.
RMLIMS/MM(EQ)/2019-20/2777 DATED 07.10.2019

The following terms & conditions should be complied with while submitting the tender:-

1.	Competitive e-bids are hereby invited by the Director, Dr. RMLIMS, Gomti Nagar, Lucknow from the Original Equipment Manufacturer/ Direct importers/Authorized distributor for the supply of various items/equipments.
2.	The tenderers shall submit the offer online in original copy of the tender documents duly signed with seal on each page. The tenderers terms and conditions be clearly typed or legibly written giving the full name and address of the tenderers. The tenderers should quote in figures as well as in words the rates and amount tendered by him/them. Alteration, if any, unless legible and attested by the tenderers, with their full signature, shall invalidate the tender. The tender should be signed by the tenderers himself/themselves or him/their authorized agent on his/their behalf. In case the tender is signed by the agent the authority letter (latest and on original letter head of the OEM with original signature) in his favour shall be enclosed with tender documents. The tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible. No blank space should be left, which would otherwise make the tender liable for rejection.
3.	GST Registration certificate duly self attested must be enclosed.
4.	Bidder must submit last three year income tax return proof duly self-attested with the bid.
5.	The tenderers shall submit the offer online only as specified in https://etender.up.nic.in. The offline tender will not be considered under any circumstances.
6.	Tenders should be submitted in two-bid system consisting earnest money, tender fee, technical offer & price bid. The proof of online submission of tender fee & EMD should be submitted in first part along with technical bid and price bid be submitted in second part. The Price Bid should strictly be in the format as specified in e-tendering. Instruments consisting different parts or items, then item wise price must be quoted in the price bid.
7.	All Quotes shall be FOR DR.RMLIMS, Lucknow. Delivery schedule with definite date of delivery at destination (taking into cognizance of transit facilities) must be indicated. This contractual delivery date/period should be inclusive of all the lead-time.The delivery date, as mentioned in the supply order will be binding on vendors.
8.	The tenderers should clearly state whether he/they are Original Equipment Manufacturer/ Direct importers/Authorized distributor (declared by principal firm only) and the authority letter must be attached with technical bid.The tender submitted by third party and subletting of tender will not be entertained.
9.	The tenderers submitting his/her tender would be deemed to have considered and accepted all the terms and conditions. No Enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.
10.	The offer shall be unconditional. Any conditional price bid and offer will not be entertained and the tender will be treated as cancelled.
11.	The quantity shown in the Schedule may be increased or decreased to any extent depending upon the actual requirement.
12.	The tenderer shall specify regarding after sales services facilities within the Guarantee/Warranty period and CMC period.

13.	The tenderer shall also confirm the Installation, Commissioning, Demonstration and Training, if required, to the concerned department under intimation to The Joint Director (MM) of the Institute.
14.	The Institute reserves the right to reject or accept the tender after reviewing the previous performance to the services given by the vendor in the equipment already supplied by him.
15.	The Institute reserves the right to cancel/reject in full or any part of the tender which generally do not fulfill the conditions stipulated in the tender without assigning any reason.
16.	The tenderer shall submit the pre-installation information like Civil works/ Electrical details etc. All necessary requirements along with the offer, in order to make the equipment functional and any subsequent request on post supply order will not be entertained.
17.	The firm has to submit an undertaking that the equipment is of latest model & version, has the latest state-of-art technology and till date no revised or amended version has been launched in regard to specification given in tender document. The spare parts will remain available for at least next ten years and Software upgradation, if needed, will be provided free of cost during warranty & CMC period.
18.	Any action on the part of the tenderer to influence anybody of the Institute will make his/their tender liable to rejection.
19.	In the case of placement of Purchase Order, the vendor (the tenderers whose tender is accepted) shall have to confirm the purchase order within 7 days from the date of the dispatch of purchase order otherwise it will be deemed that offer is acceptable to the firm. Notwithstanding any other provision, the terms & conditions and any other items given in the Purchase order will be treated as binding with "Errors & omission excepted" basis. However, if the supplier notices any discrepancy in the order, he/ they must bring the same to the notice of the Institute and seek clarifications. Supplier will have to bear the responsibility for failure to take this action.
20.	The Institute may, in writing, make any revision or change in the purchase order including additions or subtractions from the quantities originally ordered in the specifications or drawings. If any such revisions/changes affect the price or delivery, the same shall be subject to the adjustment of price/delivery, where required on a reasonable basis by mutual agreement in writing which should be communicated.
21.	<u>PBG:-</u> <ul style="list-style-type: none"> • The tenderer shall furnish performance bank guarantee/FDR (as security money) @15% of FOB/FOR value in favour of Director Dr.RMLIMS, Lucknow at the time of installation of the equipment/goods and the period of PBG/FDR shall be effective from the date of installation of the equipment upto 03 months after the end date of warranty period. • PBG/FDR will be returned to the firm on submission of another PBG/FDR @ 15% of total CMC Value of 5 years which will be valid after 03 months from the date of expiry of CMC period.
22.	<p>The Institute reserves the right to cancel the purchase order or any part thereof and shall be entitled to revise the contract wholly or in part by a written notice to the vendor, if:-</p> <ul style="list-style-type: none"> - The Vendor fails to comply with the terms of the purchase order including specifications and other technical requirement. - The vendor becomes bankrupt or goes into liquidation - The vendor fails to deliver the goods in time and or does not replace the rejected goods promptly. <p>A receiver is appointed for any of the property owned by the vendor.</p>
23.	Upon receipt of the said cancellation notice, the vendor shall discontinue all works of the purchase order and matters connected with it.

24.	<p>Tender fee and EMD details:-</p> <p>A. The tender fee (non-refundable) and Earnest Money Deposit (EMD) be deposited online as per following details and receipt / proof of the same must be attached with the technical bid. Otherwise tender will be treated as cancelled.</p> <p>(a) Account Number- 3926000100166659</p> <p>(b) Name of Account – Director, Dr.Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow</p> <p>(c) Name of Bank and Branch – Punjab National Bank, Gomti Nagar, Luknow, U.P.-226010</p> <p>(d) IFS Code- PUNB0392600</p> <p>B. For online refund of EMD, following details be provided by the bidders in technical bid:</p> <p>(a) Tender number</p> <p>(b) Name of bidder/tenderer</p> <p>(c) Name of equipment</p> <p>(d) Amount of EMD</p> <p>(e) Name of Bank and Branch</p> <p>(f) IFS Code</p> <p>(g) Name of account</p> <p>(h) Bank Account number of the firm</p> <p>i. In non-compliance of terms & conditions of the tender and/or supply order, EMD may be forfeited.</p> <p>ii. The EMD of unsuccessful bidder will be released after the supply is matured.</p> <p>iii. The EMD of successful bidder will be released after execution of supply order satisfactorily.</p> <p>iv. No interest will be paid on EMD amount of successful/ unsuccessful bidders.</p>
25.	<p>The tenderers shall deposit the required tender fee (non. refundable) of Rs. 2360.00 i.e. Rs. 2,000.00 + Rs. 360.00 as GST @18% (Rs. Two Thousand only + Three Hundred Sixty as GST @18%) online in favour of Director, Dr.RMLIMS, Lucknow, as per the details given in Clause no. 24. The proof of online submission should be submitted in first part i.e. technical bid.</p>
26.	<p>Unless otherwise specified in the order, the order price shall remain firm and will not be subject to escalation of any description during the pendency of the order, notwithstanding the change in the cost of materials, labour and/or variations in taxes, duties and other levies on raw materials and components while the order is under execution even if the execution of the order is delayed beyond the completion date specified in the order for any reason whatsoever.</p>
27.	<p>The price should be on F.O.R. Dr. RMLIMS, Lucknow, Central Store basis inclusive of all levies and duties.</p>
28.	<p>Prices will be quoted on F.O.B. as well as estimated CIP/CIF upto Dr.RMLIMS, Lucknow, Central Stores (Insurance from Firm's warehouse to Dr. RMLIMS, Lucknow basis) for imported goods.</p> <p>The Indian Agency Commission payable to Indian Agent, if any, shall be shown separately and that will be payable in equivalent rupee directly to Indian Agent. Indian Agency Commission payment shall be made on the basis of prevailing exchange rate at the time of payment or calculated as at the time of last date of submission of tender whichever is less. No taxes will be paid on Indian Agency Commission.</p> <p>The supplier shall be responsible to get the goods air –freighted/sea freighted & air insured/marine insured up to the Dr.RMLIMS, Lucknow. Please quote price in Format enclosed as (annexure-D).</p>
29.	<p>Declare separately the FOB and CIP/CIF prices.</p>

30.	The offer of the tenders shall remain valid for a period of at least 180 days from the date of opening of the tender.
31.	<p>All goods or materials shall be supplied by the tenderers whose tender is accepted, strictly in accordance with the specifications, drawings, data sheets, other attachments and conditions stated. Any alterations of those conditions shall not be made without the consent of the Institute in writing which must be obtained before any work against the order is commenced. All material furnished by the seller pursuant to this order (irrespective of whether engineering, design data or other information has been furnished, reviewed or approved by the Institute) will be guaranteed to the best quality of their respective kind (unless otherwise specifically authorized in writing by the Institute) and shall be free from faulty design, workmanship and materials, and to be of sufficient size and capacity and of proper materials so as to fulfill in all respects with all operating conditions, if any, specified in this order.</p> <p>In case of import, the suitable action will be initiated against the principal firm & tenderer, if equipment is not found in accordance with the specification as laid down in the supply order</p>
32.	The Equipment supplied shall carry an unconditional standard warranty for 5 years (60 months) to be declared by OEM from the date of satisfactory Installation and commissioning of the equipment. If any trouble or defect originating with the design, materials, workmanship or operating characteristics of any material arise at any time from the date of Installation, the same shall be promptly make such alteration, repairs and replacement as soon as notified thereof, the seller shall at his own expenses and as promptly as may be necessary to permit the materials functional in accordance with the specification and to fulfill the foregoing guarantee/ warranty and the Institute will enter into CMC agreement from six to ten year (6 th years to 10 th years) at the time of end of warranty date of the equipment.
33.	<p>i. The firm shall remove and replace/repair such defective parts of the equipment at firm's expense with in the warranty period and the warranty of such spare parts will be given by the firm either upto the original warranty period of the equipment or thirty months (30) whichever is higher.</p> <p>ii. If firm fails in the replacing such spare parts within the desired time period, the institute at its option, may get replaced the defective spare parts at firm's expense and the warranty clause written above will be applicable on the replaced spare parts. The cost of such spare parts shall be payable by the firm to the institute either direct or will be claimed from PBG.</p>
34.	In the event that the materials supplied do not meet the specifications and are not in accordance with the drawings, data sheets or the terms of this order, rectification is required at site, the RMLIMS shall notify to the seller giving full details of differences. The seller shall attend the site, within seven days of receipt of such notice, meet the representative of the RMLIMS and action required to correct the deficiency.
35.	If the seller fails to attend the fault within the prescribed time Dr. RMLIMS, Lucknow shall immediately get the same rectified on costs of the seller/supplier.
36.	<p>Payment Terms :-</p> <ul style="list-style-type: none"> In case of Indian goods, 100% payment will be released within 30 days from the date of satisfactory installation. In case of purchase of goods/equipment by Letter of Credit mode, the payment schedule will be as follows. <ul style="list-style-type: none"> A - 75% will be released after shipment by negotiation. B - 25% will be released after satisfactory installation.

37.	The mode of payment will be through irrevocable letter of credit or international Bank Draft (IBD). However, Indian Agency Commission or Technical Service charges would be paid in Indian rupee after satisfactory receipt & installation of goods at site duly verified by concerned HOD. Indian Agency Commission will be declared in the price bid. If Indian agency commission is not mentioned in the price bid no claim for it shall be admissible afterward. Please note, in case of IBD, the original bank draft may be handed over to firm only after satisfactory receipt and satisfactory installation of the equipment.
38.	Delivery Time as mentioned in Purchase order or date of opening of letter of credit (L/C) or date of issue of letter to supply on the basis of payment through international Bank Draft (Payment through IBD will be made after supply and Installation of the equipment) shall be the essence of the order and no variation shall be permitted except with prior authorization in writing from the Purchaser.
39.	In the event of delay in making delivery on the part of the vendor, it will be at purchaser's discretion to receive delivery with a late delivery penalty clause.
40.	<p>Force majeure shall mean and be limited to the following:</p> <ul style="list-style-type: none"> * Any wars or revolutions, hostility, Acts of public enemy, sabotage, fires, explosions, epidemics, quarantine restrictions and freight embargoes. * Any riot or civil Communication * Any earthquake, flood, tempest, lightning or other natural disaster * Any strike, or lock-out (only those exceeding ten continuous day in duration) or other conditions affecting the performance of the seller's obligations.
41.	<p>The seller shall advise the RMLIMS by registered letter duly certified by Local Chamber of Commerce of Statuary authorities the beginning and end of the above causes of delay within 7(seven) days of occurrence and cessation of such Force Majeure conditions, in the event of delay lasting over one month, if arising our causes of Force Majeure, the RMLIMS reserves the right to cancel the order and the provisions governing termination state under articles shall apply. For delays arising out of Force Majeure, the seller shall not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither the RMLIMS nor the seller shall be liable to pay extra costs provided it is Mutually established that Force Majeure conditions did actually exist. The seller shall categorically specify the extent of Force Majeure conditions prevalent in his works (such as power restriction etc.) at the time of submitting the bid and whether the same have taken into consideration or not in the quotations. In the event of delay in delivery and/or unsatisfactory manufacturing progress and supply, the RMLIMS has the right to cancel the purchase order as whole or in part without liability of cancellation charges.</p> <p style="text-align: center;">In the event of rejection of non-conforming goods the vendor shall be allowed, without any extension of delivery time to correct the non-conformities, if the vendor fail to do so within stipulated time, the RMLIMS may cancel the order.</p>
42.	No payment shall be made for rejected material nor would the tenderer be entitled to claim for such items.
43.	Rejected items would be removed by the tenderer from the site within two weeks of the date of rejection at their own cost. In case they are not removed they will be auctioned at the risk and responsibilities of the suppliers without any further notice.

44.	<p>Penalty Clause :-</p> <p>a. In the case of not honouring the supply order, Ram Manohar Lohia Institute of Medical Sciences, will forfeit the EMD.</p> <p>b. The time for the date of delivery/dispatch stipulated in supply order shall be deemed to be the essence of the contract and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the supply order, liquidated damages may be deducted from the bill @ 0.5% per week or part thereof to maximum of 10% of the basic cost of goods for delayed supply (The delivery period will be calculated from the next day of the dispatch date of purchase order to the previous day of receipt of material in the Institute). The competent authority of the institute may also cancel the supply at the cost & liability of the supplier. In such a case, bid security of the supplier shall stand forfeited. The supply of equipment must be in single consignment, inclusive of all parts & accessories in adherence to the specification so as to make the equipment fully functional at the time of the installation. No installation repeat shall be signed in case of absence of any part as per the specification.</p> <p>Late supply in the case of Letter of Credit goods the firm may supply the goods after getting written permission from the Institute with late delivery clause @ 0.5 % per week or part thereof to maximum of 10% of the basic cost (FOB/FOR) of goods for delayed supply (The delivery period will be calculated from the next day of the opening of Letter of Credit to the previous day of receipt of material in the Institute).</p> <p>c. The standard delivery period shall be Letter of Credit (LC) period FOB/FOB nearest port in India and additional delivery period from nearest port to the Institute shall be not more than fifteen days (15 days).</p> <p>Delivery period for the Indian/foreign supply will be as per offer made by the bidder in the Technical/Financial bid. (The Institute prefers delivery period not more than 105 days).</p>
45.	The firm may be required to facilitate the copy of supply order of other establishments (preferably Government) as mentioned in the installation list in the tender, to justify the tendered rates.
46.	List of installations for the offered equipment/items only instead of allied/other range of equipment in India along with performance report duly signed and stamped by the user(s) may be provided with the tender documents.
47.	All disputes and questions, if any, arise between the Institute and the bidder out of or in connection with the terms and conditions contained herein or as to the construction of application thereof, or the respective rights and obligations of the parties there under or as to any clause or thing herein contained or by reason of the supply or failure or refusal to supply any material or as to any other matter in any way relating to this offer shall be decided by the Director of the Institute and when the decision would not be accepted by the bidder, then the matter shall be referred to the chairman of the Institute as sole Arbitrator. The chairman of the Institute may appoint any suitable Arbitrator whose decision dully approved by the Chairman of the Institute shall be final and binding upon both parties and subject to adjudication of Lucknow Court. Place for arbitration shall be at Lucknow (U.P.), India. Venue of such arbitration proceedings shall be the Institute. Arbitration and conciliation Act 1996 and rules made there under shall be applied to the proceedings under this clause.
48.	A minimum of 95% uptime of equipment is to be maintained during warranty period and also after warranty period during comprehensive maintenance contract for the next five years. If the equipment is not up time upto the above mentioned period suitable action shall be taken against the supplier including imposition of penalty as deemed fit.

49.	<ul style="list-style-type: none"> The supplier should provide comprehensive maintenance contract (with spare/consumables /Accessories including laborer charges) inclusive of customs and all taxes for the next 5 years (i.e. years 6 to 10 inclusive). The CMC Rate for the sixth year should not be more than 5% of FOB and escalation in next year CMC should also not be more than 5% of the prior year CMC rates. If the rates of CMC are not clarified by the bidders, their offer will not be considered for comparison of price and will be treated as cancelled. GST on CMC will be treated as inclusive, if the firm has not mentioned GST rates separately. <p>The price bid will be opened online in the presence of authorized representative of technically qualified tenderer within reasonable time.</p> <ol style="list-style-type: none"> The evaluation report of technical bids by the technical committee will be the final decision for qualifying the firm. For Foreign Goods the exchange rate (as per RBI reference rate) of foreign currency will be the prevailing rate on the last date of submission of Tender . The prices for optional items if not required in Technical Specification will be excluded for ranking purpose.
50.	<p><u>Custom Duty and Custom Clearance Charges</u> :- The supplier will get the equipment/consignment cleared from the custom. The Custom Duty and Custom Clearance Charges will be reimbursed to the firm on the production of appropriate document and certificate. No demurrage/warehouse charges will be payable by the Institute under any circumstances. No advance payment will be payable for custom duty/ custom clearance.</p> <p>In addition to the clause no. 06 & 49 above the criteria for determining L-1 would be as followed:-</p> <ol style="list-style-type: none"> Quoted CIP/CIF rates of the equipment with all standard and essential accessories as per specification with 5 years unconditional warranty. Quoted CMC charges including GST after expiry of warranty period from 6th to 10th year. Price with all accessories as per technical specifications along with Custom duty, Custom Clearance, Insurance, Freight, IGST, turnkey (if applicable) as quoted in price bid will be added for determination of L1 and if the rates are offered in Indian currency, the rates of GST quoted in price bid will be added for determination of L1. <p>If needed Institute may enquire the rate of taxes and duties at its own and only the correct rates will be applied for calculation of L-1 in the comparative chart.</p> <p>For calculation of L-1 rates of taxes and duties in value or in percentage may be quoted in price bid prevailing at the time of submission of bid.</p>
51.	Payment to 3 rd party on behalf of bidder will not be permitted in any circumstances.
52.	All the operating and service manuals in duplicate to be provided by the vendor at the time of handing over the machine.
53.	If there is any discrepancy in terms between General Terms & Conditions of Tender Document and specification of any equipment, then the details given in General Terms & Conditions of Tender Document will be considered valid and will be binding. Accordingly, the terms of comprehensive maintenance contract will be governed by the General Terms & Conditions of Tender Documents.
54.	Catalogue, data sheet, complete module and other necessary document shall be provided in original form. In the shape of Duplicate or photocopier form of documents shall not be accepted.
55.	In case of imported goods consignment must reach Indian port within currency of L/C.
56.	No financial documents of any tenderer will be entertained after opening of financial bid/ technical bid.

57.	The supplier will make atleast quarterly visit for maintenance during warranty period.
58.	Unconditional warranty & Guarantee for 5 years to be declared by OEM (Original Equipment Manufacturer) /Tenderer from the date of installation. The warranty/guarantee must cover all parts of the equipment except consumable only.
59.	The firm will provide an affidavit to this effect that “THIS IS TO CERTIFY THAT THE RATES QUOTED for the equipment TO DR. RMLIMS, LUCKNOW ARE THE LOWEST ONE. WE HAVE NOT QUOTED/SUPPLIED AT LESSER PRICE TO ANY ORGANISATION WITH THESE SPECIFICATIONS. IN CASE OF NON-SUPPLY IN INDIA, THE AFFIDAVIT TO THIS EFFECT WILL HAVE TO BE SUBMITTED BY THE FIRM. WE FURTHER AGREE THAT IF ANY PRICE DISCRIPANCY IS FOUND ON LATER DATE, WE WILL BE LIABLE TO REFUND THE SAME.
60.	Subletting of the tender to the sub-distributor is not permissible, if subletting is found, the EMD, submitted by tenderer, will be forfeited. If the same item is quoted by the principal and one or more distributors of same principal firm, the same will be treated as one tender and the lowest rate will be considered.
61.	The tenderer shall insure after sales services facilities within the Guarantee/Warrantee period. The warrantee period may be extended for the period of the instruments remained out of order during warrantee period.
62.	The Manufacturer or their Indian representative will ensure a proper after sales service as per our requirement from time to time, against the guarantee/warrantee clause as per terms and conditions agreed under negotiations would be provided to our Institute without fail. Any negligence on this account shall be the sole responsibility of foreign vendor as well as indian agent and the liability for compensation will be fixed by the Institute. An undertaking from the manufacturer that in the event of change of Indian Agent, the new agent will provide the CMC on similar terms and conditions or the manufacturer himself undertakes the responsibility of proving the satisfactory after sales services under such events. If the equipment is not rectified by the firm and the equipment is under breakdown for certain period, the Institute will impose the penalty clause for that period as deemed fit.
63.	<u>If any information submitted by the bidder is found incorrect then</u> <ul style="list-style-type: none"> • The bidder may be blacklisted by the Institute; and/or • The bidder may be debarred from future participation; and/or • The Institute may impose such embargo in the bidder as deemed fit and/or The Institute may take such action against the bidder as deemed fit.
64.	<u>Turnover:-</u> The tenderer shall have an average annual turnover of not less than two times of the tentative cost of the tendered item/items during the last three financial years. Turnover details should be supported by a copy of balance sheet and Tax audit report duly certified by Chartered Accountant (CA).
65.	Details of after sale service support should be provided which will include the followings: <ul style="list-style-type: none"> (a) Corresponding address of service centre. (b) Telephone No.(Office). (c) Name of Service Engineers along with mobile number & e-mail address.
66.	The Price Bid of the technically qualified vendor will be opened on-line after technical evaluation is done.
67.	All fields and columns of price bid must compulsorily be filled.
68.	If, the equipment is of foreign make and quoted in Indian currency (INR), the firm will have to submit the AWB or Packing list of manufacturer/principal firm or Cargo Arrival Notice (CAN) in support of import, pertaining to the Institute, if the order is awarded to him/them. The date of these documents will be preferably of later date of supply order.

69.	As per Institute's requirement and tender terms, the equipment need to remain functional during 05 years warranty as well as 05 years CMC period.
70.	Any rule / guidelines declared by the Government would prevail over the existing terms and conditions.
71.	HSN code of the equipment/goods must be mentioned in price bid format.
72.	Check list as per annexure-A shall be submitted by the firm in technical bid.
73.	Each & Every page or paper of the tender document should be serially numbered, singed & stamped by an authorized signatory of the bidder.
Note:-<i>Please note that separate tender should be quoted for each item/ equipment.</i>	

Enclosed 1- Annexure A

(Format of Check List)

Enclosed 2- Annexure B

(Specifications of the Equipment)

Enclosed 3- Annexure C

(BOQ for items/equipment in Indian Currency)

Enclosed 4- Annexure D

(BOQ for items/equipment in Foreign Currency)

**Joint Director (MM)
for Director
Dr. RMLIMS,
Vibhooti Khand, Gomti Nagar,
Lucknow, (U.P.)**

Check list

e-Bid reference no: /RMLIMS/MM(eq)/2019-20/2777 dated 07.10.2019

Before submitting the tender, the bidder should check the following enclosures (to be submitted with Technical bid **compulsorily**).

S. No	Particulars	Page (From)	Page (To)
1	Name of Bidder/Tenderer		
2	Name of Proprietor/ Managing Director of Bidder		
3	Permanent address of Bidder with e-mail and contact no. (Copy should be attached)		
4	The proof of online submission of tender fee & EMD		
5	GST Registration number (copy should be attached)		
6	Income Tax return certificate. (Last three years copy should be attached)		
7	Permanent Account Number (copy should be attached)		
8	The affidavit from a notary that the firm has never been black listed must be attached.		
9	The tenderers should clearly state whether he/they are Original Equipment Manufacturer/ Direct importers/Authorized distributor (declared by principal firm only) and the authority letter must be attached with technical bid.		
10	The tenderer shall specify regarding after sales services within the Guarantee/Warranty period and CMC period.		
11	The firm may be required to facilitate the copy of supply order of other establishments (preferably Government) as mentioned in the installation list in the tender, to justify the tendered rates.		
12	<u>Turnover:-</u> The tenderer shall have an average annual turnover of not less than two times of the tentative cost of the tendered item/items during the last three financial years.		
13	The firm will provide an affidavit to this effect that “ THIS IS TO CERTIFY THAT THE RATES QUOTED for TO DR. RMLIMS, LUCKNOW ARE THE LOWEST ONE. WE HAVE NOT QUOTED/SUPPLIED AT LESSER PRICE TO ANY ORGANISATION WITH THESE SPECIFICATIONS. IN CASE OF NON-SUPPLY IN INDIA, THE AFFIDAVIT TO THIS EFFECT WILL HAVE TO BE SUBMITTED BY THE FIRM. WE FURTHER AGREE THAT ANY PRICE DISCIPANCY IS FOUND ON LATER DATE, WE WILL BE LIABLE TO REFUND THE SAME.		

Name, seal and Signature of bidder

(Sr. no.1) Technical Specifications of Video Largo Broncoscope

VIDEO PROCESSOR & LIGHT SOURCE:

1. Should be compatible with semi-automatic leakage tester
2. Should be fully upgradable with EUS and balloon enteroscopy.
3. Outputs - RGB, Y/C, VBS Composite, XGA & DV simultaneous
4. It should have structure and edge enhancement option for better image quality
5. It should have various iris control option for better light distribution
6. Unit should be compact and lightweight.
7. Light source - Combined or separate 150 watt halogen with emergency backup facility.
8. Air pump - Inbuilt air pump with minimum two variable airflow control.
9. Lamp can be turned on/off without turning off the equipment.
10. Electronic magnification up to 1.5X by a touch of scope remote switches.

BRONCHO VIDEO SCOPE:

1. It should Superior image quality with crisp, clear images and true-to life Colour inside the tracheobronchial tree.
2. Should have facility for pressure-regulated leakage testing through inbuilt air pump of light source.
3. Scope should have four user programmable remote switches to improve operability.
4. Outer diameter should be 6.00 mm or less.
5. Channel diameter should be 2.8 mm or more.
6. Insertion tube length should be 600 mm or more.
7. Field of view should be 120 degree or more.
8. Depth of Field should be 3-100mm or better.
9. Angulations - UP-180degree, Down-130 degree or better.
10. Minimum visible distance should be 3mm or less.

NOTE:

- **Manufacturer Trolley of same make.**
- **Monitor- medical grade monitor 21 inch.**
- **Compatible Biopsy forceps.**

Essential Criteria:

1. Demonstration mandatory at hospital premises at OEM cost.
2. CMC offered for the quoted equipment should not be more than 5% of the quoted model with not more than 5% escalation per year after completion of CMC period.
3. CMC offered for the quoted equipment must be on OEM letterhead for further years. (CMC offered on distributors/ Vendor letterhead will not be considered).
4. Installation process should be performed by OEM trained service engineer/ service representative on OEM's letter head/ service report, with a mandatory provision of providing preventive service visits of OEM trained service engineer/ service representative quarterly per year till completion of warranty period (i.e. 20 visits for first five years) and further quarterly visit (04 visits/ year) till the completion of CMC period.

5. The installation process must be completed by the OEM/ Service provider within 30 days of supply.
6. The accessories/ consumables utilized during the period of installation process should be taken care FOC by OEM/ Service provider.
7. The equipment complies with the requirement of the Medical Device Directive of class I equipment and Electromagnetic compatibility; all supporting documents must be provided.
8. **Equipment should have brand name / model number embossed/ etched on the equipment.**
9. In case of technical snag/ failure/ breakdown, the response time for Inspection should be within 24 Hour and repair within 5 days, otherwise provide a service machine until the period of recovery of breakdown of the unit. Failing which will attract penal action as per the decision of the University (Uptime guarantee of 95%).
10. The page of technical bid should be numbered and checklist should be duly filled as per the annexures and all annexures should be in accordance with the format, otherwise it may be the reason for disqualification.
11. All the technical specifications accepted in the compliance statement must be supported by **Original Literature from the firm/ O.E.M with Highlighting, Numbering & flagging as per below mentioned format for the compliance statement.**

S. No.	Technical Specification	Compliance Yes / No	Page No. in the proposal submitted where documentary evidence is enclosed as per tender Specs with highlighting, Numbering & flagging
1			
2			

(Sr. no.02) Technical Specifications of Body Composition Analyzer

- Should be Multi-frequency segmental body composition analyser. Employs latest bio impedance spectroscopy technique covering the entire beta-dispersion information
- Raw data Impedance, Phase angle, Resistance, Reactance, Capacitance
- Calibrated for Children, Adults, Older population, Normal, Lean, obese patients
- Calibrated for different ethnicities.
- Large colour display.
- Bluetooth, Wi-Fi
- Certified medical isolated USB port

DIRECT ASSESSMENT IN ANY CONFIGURATION:

- Single assessment
- Real time monitoring.
- Segmental direct monitoring.
- Pre – defined testing monitoring

Parameters measurement in following categories:

- Dry weight for patient on haemodialysis.
- Body cell mass (BCM).
- Glomerular filtration rate (GFR)
- Fluid status (ECW/ICW and interstitial – fluid extra vascular etc.)
- Body composition
- Mineral
- Protein
- Kt/v
- Malnutrition screening
- Visceral, subcutaneous fat.
- Metabolic syndrome risk
- Both right/left full body assessment
- Multi-segmental muscle volume, muscle mass
- Multi – segmental ECW and ICW
- Bone density
- Resting metabolic rate
- Complete with software

Equipment should be portable, easy to use and the Interactive console shall guide the user through the personal data input and measurement process without specialist assistance

Battery (rechargeable) Backup of 4-5days with level indicator

Easy Maintenance & cleaning

Should provide graphical overview of the fluid status and body composition of the patient. Provide reference ranges based on a healthy population that allows identification of patients needing special attention

Should have a client identity feature allows measurement data be collected for each client effortlessly.

The equipment should be USFDA/ European CE approved

The equipment should give results which are correlated and validated against gold standard tests. (DEXA, D2O, etc.)

The equipment should have compatible printer and separate stand/ case for easy portability

Should provide 1000 electrode pads with the equipment free of cost.

Prices of electrode pads to be quoted separately (fixed for next five years).

(Sr. no.3) Technical Specifications of Endoscopy System

1. High Definition Camera System

- The Full HD 3 Chip camera should have a resolution of 1920 x 1080 pixels or more (lower resolution will not be acceptable), with progressive scanning on camera head and console.
- Compatible with an aspect ratio of 16:9
- Should have focus function which can be varied steplessly from coarse to fine image.
- Should have digital and optical zoom which can be varied seamlessly.
- The camera head should have programmable function keys.

2. High Definition Monitor

- Medical Grade Flat Screen HD LED Monitor for use with HD System, having a resolution of 1920 x 1080 pixels.
- Compatible with an aspect ratio of 16:9
- Minimum 26 inches (lower size will not be acceptable).

3. Full High Definition Video and Image Recording System

- A stand alone full HD recording system (video and still images) for capturing real time Endoscopy.
- Should have internal hard disk drive of 1 TB or more and should have facility of recording on Blue Ray Disc/DVD Disc/USB memory stick if required by user.
- Should be able to edit the archived videos like cutting, cropping and other modifications as required.
- The recording should be with a maximum resolution of 1920x1080 pixels.

4. LED Light Source with Light Cable

- A Powerful LED Lamp (intensity equivalent to 300 watts or more Halogen) with atleast 10,000 hrs lamp life, color temperature 6000 K.
- Automatically adjusts light intensity to achieve ideal illumination
- An Autoclavable type fiber optic light guide cable to be provided for better protection against mechanical and thermal stress
- The cable should have a small bending radius, and the length should be 3 meters or more.

5. Mobile Video cart

- Must have minimum 4 shelves and a drawer.
- Castor Wheel with brakes
- The dimensions should be such that all equipments and accessories of the endoscopy system can be placed safely on the cart.
- Load Capacity – Top Tray approx. 20 Kg, Intermediate shelves approx. 30 Kg, Base Panel approx. 30 Kg
- LED Monitor Tray
- Drawer Pack to facilitate safe storage of a variety of devices
- Cable management should be possible
- Electrical Safety (transformer fitted as standard)
- Must be of the same make as the endoscopy unit.

6. Rigid telescopes and handles

- Wide Angle, Straight Forward Telescope 0°, enlarged view, diameter 4 mm and length 140- 180 mm, autoclavable: 2 nos.
 - Wide Angle, Straight Forward Telescope 30°, enlarged view, diameter 4 mm and length 140- 180 mm, autoclavable: 1 nos.
 - Wide Angle, Straight Forward Telescope 70°, enlarged view, diameter 4 mm and length 140- 180 mm, autoclavable: 1 nos.
 - Wide Angle, Straight Forward Telescope 0°, enlarged view, diameter 2.7 mm and length 140- 180 mm, autoclavable: 1 nos.
 - Wide Angle, Straight Forward Telescope 30°, enlarged view, diameter 2.7 mm and length 140- 180 mm, autoclavable: 1 nos.
 - Telescope Handle, flat, for use with telescopes of diameter 2.7 mm and length 140- 180 mm: 1 nos.
 - Telescope Handle, flat, for use with telescopes of diameter 4 mm and length 140- 180 mm: 1 nos.
1. The accessories required for the proper functioning of these equipments should be provided, of same make.
 2. Same make consumables required for proper functioning of the equipments should be provided.
 3. The equipment should have brand name / model number embossed / etched on the equipment.
 4. All the equipment and the accessories must be from the same manufacturer and be USFDA and European CE approved.
 5. The company should have service facility in Uttar Pradesh

(Sr. no.4) Technical Specifications of Lower Urinary Tract (Endourology Set)

TECHNICAL SPECIFICATIONS:

CAMERA:

1. Camera should be 3chip Full High Definition (1920 X 1080p) resolution
2. Image format should be 16:9/16:10
3. Should have resolution of 1920x1080P or higher with Digital Signal Processing
4. Should have connection for keyboard
5. Camera should have recording facility for both images and video, recording should be in flash drive and videos can be recorded in Full HD formats.
6. Camera head should be sterilizable.
7. The Camera should have different color imaging modes for better visualization of suspicious areas (tissue).
8. Should have zoom in and zoom out facility

MONITOR:

1. Should be High Definition (HD) of minimum 26" with wide screen.
2. It should have LED backlight.
3. Should have resolution of minimum 1920x1080
4. Should be fully compatible with OR video control applications.
5. Should have fastest response time (10-15ms)
6. The cooling system for monitor should be Fan-less or heat sink based so that risk for air borne diseases can be minimized.
7. It consists of Multi- Modality Image viewing.
8. Inputs: HD-SDI, 3G-SDI, DVI, VGA, S-Video, Composite
9. Outputs: HD-SDI, 3G-SDI, DVI, S-Video, Composite – **2 each**
10. Should have low voltage DC power input, 100-240 V AC & 50-60Hz to 24VDC

LIGHT SOURCE:

1. LED / xenon (equivalent to 300 watt)
2. Minimum 30000 hrs working life for led and 500 hrs for xenon
3. Should have no black spot in centre
4. Minimum noise pollution

FIBREOPTIC LGHT CABLE:

1. Should be of 300 cm length approx
2. Should be heat resistant
3. Should be compatible to offered telescopes
4. Thick light cable – 1 in number
5. Thin light cable – 1 in number

TELESCOPE:

1. 4 mm, 30 degree, autoclavable – 2 in no
2. 4 mm, 0 degree, autoclavable - 2 in no

CYSTOSCOPE AND ACCESSORIES:

1. Cystoscope-urethroscope sheath with obturator (17 to18 Fr, 19 to 20 Fr, 21 Fr)- 1 each
2. Visual obturator for 19 – 20 Fr & 21 Fr cystoscope-urethroscope sheath - 1 each
3. Telescope bridge with 1 lockable instrument channel -1
4. Telescope bridge with 2 lockable instrument channel-1
5. Grasping forceps 7 Fr, double action jaws, flexible, 33-40 cm – 5 in number
6. Biopsy forceps 7 Fr, double action jaws, flexible, 33-40 cm - 5 in number
7. Grasping forceps 5 Fr, double action jaws, flexible, 33-40 cm - 5 in number

8. Biopsy forceps 5 Fr, double action jaws, flexible, 33-40 cm - 5 in number
9. Scissors 5 Fr, single action jaws, flexible, 33-40 cm - 3 in number
10. Alligator flexible forceps 5 Fr, 33-40 cm - 5 in number
11. Bladder syringe 100 – 150 cc – 5 in number
12. Injection canula 6 - 7 Fr, flexible, self retaining, length 50 cm – 3 in number
13. Optical grasping forceps, double action jaws – 2 in number
14. Adaptor for use with resectoscope sheath – 1 in number
15. Rigid biopsy forceps – 5 Fr
16. Sheath with deflecting lever (Alberan sheath)

RESECTOSCOPE SET:

A. MONO POLAR WORKING ELEMENT

1. Working element motion by means of a spring. In rest position the electrode should be inside the sheath.
2. Should be passive.

B. BIPOLAR WORKING ELEMENT

1. Working element motion by means of a spring. In rest position the electrode should be inside the sheath.
2. Should be passive.
3. Should be compatible for underwater surgery using energy sources which are available in the department (of COVIDIEN MAKE).

C. RESECTOSCOPE SHEATH

1. Resectoscope sheath with obturator 24/26 Fr
2. Resectoscope sheath should include connecting tubes for in & out flow,
3. The 24/26 Fr resectoscope sheath should have rotatable inner tube with ceramic insulation
4. Visual obturator for use with 24/26 Fr sheath.
5. Standard obturator for use with 24/26 Fr sheath.
6. All resectoscope sheaths should be compatible with bipolar energy as well.

D. ELLIK EVACUATOR WITH LOCKING DEVICE – 3 in number

E. MONOPOLAR ELECTRODES:

1. Cutting loop, angled - 24 in number
2. Hook electrodes -10 in number
3. Roller ball coagulation electrodes - 10 in number
4. Hf connecting cable monopolar – 2 in number

F. BIPOLAR ELECTRODES:

1. Cutting loop electrodes – 10 in number
2. Roller ball coagulation electrodes – 5 in number
3. Hook electrodes – 5 in number
4. Hf connecting cable bipolar – 2 in number
5. It should be compatible with same sheath and telescope if not quoted additionally

G. URETHROTOME SET:

1. Passive working element motion by spring.
2. In rest position electrode should be within the sheath
3. Urethrotome sheath 20-21 Fr with channel for filiform bougies and 2 luer lock adapters
4. Obturator for above urethrotome sheath.
5. Supplementary sheath half round for inserting catheter that fits urethrotome sheath
6. Cold knife straight – 10 in number
7. Cold knife round – 5 in number

URETEROSCOPE:

1. Uretero-Renoscope with atraumatically shaped sheath, with rounded distal tip : 6.5 Fr

2. The URS should have one-step, conical, 6.5/7 Fr., autoclavable, with angled eyepiece, fiber optic light transmission incorporated, and direction of view 6 deg.
3. Should have length 43 cm, and 2 lateral right angled irrigation ports and 1 working channel of less than 5 Fr. for instruments upto 4 Fr.
4. Should have detachable instrument port with sealing system and quick release lock,
5. Grasping Forceps for stone fragments, double action jaws, 4 Fr., rigid, length 60 cm
6. Grasping Forceps for large stone fragments, double action jaws, 4 Fr., rigid, length 60 cm

INSTRUMENT CART:

1. Should be provided with mobile, video cart of same make
2. Must be of ergonomic design & concealed cable conduits
3. Should have minimum 4 shelves

CONTAINERS FOR STORAGE & STERILIZATION – should be provided for all instruments and accessories

CONDITIONS FOR TENDER

1. All accessories should be from same original equipment manufacturer.
2. Should be US FDA and EUROPEAN CE approved.
3. Installation process should be performed by O.E.M trained service engineers / service representatives on oem letterhead or service report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained service engineer/ service representative quarterly per year till completion of warranty period (ie 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till completion of CMC period .
4. The equipment should have brand name / model number embossed / etched on the equipment.
5. All the technical specifications in the compliance statement must be supported by original literature from the firm / O.E.M with highlighting numbering & flagging of all technical certificates.
6. Offered equipment should have very strong govt. installation base
7. Offered equipment should have regional after sales service center of the original equipment manufacturer in the north region for 90 % uptime guarantee.
8. Offered equipment should have warranty for 05 years and should submit institutional price list of required consumables & accessories.
9. After completion of 05 years warranty period the CMC should be offered for the next 05 years for offered equipment
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the original equipment manufacturer's letterhead.
11. In case of technical snag / failure / breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine till the period of recovery of breakdown of the unit, failing which attracts penal action as per decision of institute / hospital.
12. Annual comprehensive maintenance contract (APMC) for the quoted equipment should be offered at original equipment manufacturers service team letter head for further years
13. For offered equipment the training of technical staff and users should be performed by original equipment manufacturer trained service engineers - service representatives
14. For offered equipment the installation process should be performed by original equipment manufacturer trained service engineers - service representatives on principal company / original equipment manufacturer's letterhead.
15. Company should quote their latest model.
16. As a tendering process the **physical demonstration** of the offered equipment is **mandatory** at hospital / institute premises at bidders cost. no electronic ppt or video of the offered equipment would be accepted.

(Sr. no.05) Technical Specifications of Multiaxial C-ARm

C-Arm Features:

- Vertical Travel: 415 mm or more motorized.
- Horizontal Travel: 200 mm or more.
- Orbital rotation: 140 degree or more motorized.
- Angulation: +200 degrees or more motorized.
- Swivel range: ± 10 degrees or more.
- Vertical free space: at least 772 mm. more will be preferred.
- Depth of immersion: 680 mm or more.
- Touch screen monitor on C-Arm to control c-arm functions and for live image display.
- Touch screen based remote contro unit for controlling the C-arm functions from the sterile area (Table side) should be provided.

Generator:

- The system should have a high frequency X-Ray generator with frequency of 40 KHz or more and power output of 25 KW or more.
- The KV range should be 40 to 120 KV or more
- The system should have dual focus X-ray tube 0.3/0.5 mm or 0.3/0.6 mm with a Rotating Anode with total filtration of 3 mm Al or more.
- Anode heat storage capacity should be 315 KHU or higher.
- Active inbuilt heat management capabilities/cooling methods for long interventional procedures.
- The X-ray tube should have the facility for both fluoroscopy and radiography.
- Automatic dose rate control.
- An integrated laser light localizer for proper positioning without radiation.
- Radiation free collimation.
- The system should operate in full capacity on 200-240 volts ($\pm 10\%$) AC.

Flat Panel Detector:

- Amorphous Silicon Flat detector with cesium iodide scintillator at least 30 x 30 cm with high resolution acquisition (1.5 k x 1.5 k image matrix) and zoom facility.
- Collimator: Motorized rotating blades.

Monitor Cart:

- Monitors: The system should have dual flat screen colour display monitors with of at least 19" size (more will be preferred) with resolution of 1280x1024, maximum brightness 650 cd/m² or more and horizontal/vertical viewing angle of at least 170 degrees.
- Hardware: Microprocessor based computer with at least 4 GB RAM, USB 2.0/3.0 interface, DVD RW drive for recording on CD/DVD, Hard disk with capability of storing at least 100,000 images of 1024x1024 matrix size.
- Facility should be available to display external video displays like endoscopy or ultrasound on one of the monitors so that all information needed is in one view.

Image acquisition:

- The system should have the following operating modes.
 - Pulsed Fluoroscopy: 40-120 KV range or more, pulse rate of up to 25 pulses/s or more.
 - Digital Radiography: 40-120 KV range or more.
 - Cine Mode: Image acquisition up to 25 f/s or more.
 - Real time DSA software should be provided for DSA real time image subtraction with Re-masking, Pixel Shift, land-marking, road mapping.
 - Multifunctional programmable footswitch (preferably wireless) with functionality for radiation release, switching operating modes as well as storage of the last image.

Image display/processing: The following functions should be provided.

- Digital zoom/magnification.
- Digital image rotation. Left/right and top/bottom image reversal
- Automatic image parameter selection with provision to change over to manual selection.
- Contrast/Brightness control, Positive/negative image inversion, Edge enhancement functions should be provided.
- Cine loop and last scene/image hold and also preferably saving of fluoro loop.
- Image annotation facility, measuring of distances and angles.
- Multi-image visualization.

Image archiving:

- The system should be DICOM 3.0 compatible and support all DICOM 3.0 functions.
- Hard disk should be provided with the system and it should be possible to store minimum 10,000 images (more will be preferred) on 1K x 1K matrix.
- It should be possible to record images in CD/DVD, USB 2.0 devices in DICOM and bmp/TIFF & AVI format.
- The system should be PACS/HIS compatible
- It should be possible to transfer images/data from the system to DICOM compatible printer.
- System should preferably have facility for streaming live fluoroscopy images and live cine with bi-directional voice transmission from the fluoroscopy room to conference facility or hospital network.

Accessories:

- C-arm compatible table: motorized, remote controlled, radiolucent, free float X-Y table top with up & down motorized movement and 500 lb patient capacity. Suitable for angiography, fluoroscopy and gastroenterology interventional procedures. Holder should be provided for adapting remote control touch screen display unit of c-arm to the table.
- Six Light weight Lead Apron (0.5 mm Pb), Thyroid shield (6 No.), Gonad shield (6 No.0
- Trolley with suitable integrated UPS to give a least 30 minutes backup and suitable voltage stabilizer should be provided.
- Sterilizable cover for C-Arm, x-ray tube and flat panel detector-2 Nos. Disposable covers for C-Arm and flat panel detector -50 Nos.
- X-ray Printer

Others;

- Quoted model must be US-FDA Approved and European CE Certificate.
- The X-Ray tube, High frequency generator should be from the same manufacturer.

- The C-arm with Flat Panel Display unit should be AERB approved. AERB certificate should be provide.
- The quoted model should already be installd in the India and in usage for at least 6 months to one year. Bidders must provide a list of institutions of repute in India (preferably government institutes) where the quoted units have been installed.
- The vendor should provide a letter of satisfaction from the reputed institutions where the quoted models have been installed.
- The vendor should preferably have a full-fledged and established service centre in Lucknow. The address of service centre with number of the service engineer locally based in Lucknow, U.P. should b provide.
- Five years comprehensive unconditional onsite warranty should be provided for the entire unit including X-Ray tube, Flat Panel Detector, all quoted items, including accessories.
- Also quote for CMC 9all items as in above warranty clause) for 5 Years after warranty period.
- Up time guarantee 95 % should be provided.
- Catalouge & product datasheet of all items including X-Ray tube, Flat Panel detector should be attached.

(Sr. no. 6) Technical Specifications of Operating Instrument
BIDDER CRITERIA FOR Operating Instrument

1	All Surgical Instruments should be European CE certified.
2	All Surgical Instruments should meet criteria – ISO 9001 : 2008, ISO 13485 : 2003, ISO 7153-1 : 2016, ISO 14001 : 2004 & ISO 18001 : 2007 certified company
3	Company should have WHO GMP certificate must be enclosed with the tender.
4	All Surgical instruments should be made of 4 series AISI 420 and AISI 410 steel and certified copy must have to submit at the time of tender submission.
5	All Surgical instruments/Micro Surgical Instruments must have stoneware coating, high surface hardness and anti-glaring surface for better vision.
6	In case of Indian Manufacturer must have to submit their manufacturing & NSIC certificate
7	The surgical instrument's Manufacturer should provide demonstration as and when required.
8	Bidder should submitted original literature/Brochure of quoted model of Surgical Instruments
9	The surgical instrument's Manufacturer should clearly mentioned: (A) warranty period (B) shelf life of Instruments © IFU (Instructions for users) of surgical instruments regarding recommended method of cleaning and sterilization of the instruments.
10	The surgical instrument's Manufacturer should provide the details of service centre in state of U.P.
11	All SS hollowware instruments should be of same parent company or same manufacturer and must be clearly mentioned in Original catalogue.
12	All Instruments should have engraved logo of Govt. Supply at the time of supplies.
13	The surgical instrument's Manufacturer should provide the offer as per required surgical instrument list.
14	List Enclosed

1	<u>Stapedotomy Instruments Set</u> The set should have following 01 nos:- 1. Knife to make Vertical Incision 2. Knife to make Horizontal Incision 3. Elevator Rounded Tip 4. Sharp Pointed Needle. 5. Hook 45° Up 6. Hook 45° Down
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	7. Hook 90°Right 8. Hook 90° Left 9. Measuring Device
2	<p><u>Tympanoplasty Instruments Set</u></p> <p>The set should have following 01 Nos:-</p> <ol style="list-style-type: none"> 1. Hartman Ear Speculam Black Finish 2. Aural Speculum Shea 3. Plaster Retractor 2x2 prongs 4. Wullste in Retractor 3x3 prongs 5. Tilley Dressing Forceps 6. Suction Cannula (Anysize 5 nos.) 7. Suction adopter 8. Mastoid Suction Cannula 9. Micro Crocodile Forceps Serrated Straight 10. Micro Crocodile Cup Forceps Straight 11. Micro Crocodile Scissors Straight 12. Mc. Gee Wiore Crimper 13. House Dieter Malleus Nipper Upward 14. Hand Retractor 15. Wullstein Needle Straight 16. Wullstein Needle Slightly Curved 17. Plaster Flap Knife for Incision 18. Rosen Circular Knife 45° Angled 19. Sickle Knife 20. Micro Pick 45° 0.8mm 21. Micro Pick 90° Angled 22. Micro instruments case with double silicon matt large.
3	<p><u>Tracheostomy Instruments set</u></p> <p>The set should have following 01 nos.:-</p> <ol style="list-style-type: none"> 1. Langen Beck Retractor 2. Tracheal Dilating Forceps 3. Traheal Retractor 2 prongs 4. Tracheal Retracto 1 pronge 5. Jackson Trachestomy Tube Set of 5 6. Fuller Trachestomy Tube Set of 5 7. Allis Tissue Forceps 8. Backhouse Towel Forceps 9. B.P. Handle 10. Mosquito Artery Forceps Straight 11. Mosquito Artery Forceps Curved 12. Volkman Retractor
4	<p><u>Set for Nasal Bone Fracture Ash Forceps</u></p> <p>The set should have following 01 nos.</p> <ol style="list-style-type: none"> 1. ADSON Tooth forceps 2. Tilley packing forcep 3. LEMPERT Longeaurcvd 4. JANSEN Chiesel 5. Osteotome 6. Jenkin Gauge 7. KERRISON Bone Punch 8. Killian Nasal Speculum 9. Thudicum nasal Speculum 10. COTTLE Upper Lateral Retractor 11. Periosteal Elevator 12. Finr Dressing Scissors 13. Mallet

	14. BOWMAN Lacrimal Probe set (Set of 4) 15. Spring Needle Hodler 16. Spring Scissors Curved 17. Catpaw Retractor 18. Lacrimal Dialator 19. Lacrimal Intubation (Stent) 20. Sterilisation box with double mat
5	<p><u>Fess Instruments set</u></p> <p>The set should have following 01 nos.:</p> <ol style="list-style-type: none"> 1. Trocar and cannula Length 8.5cm 2. Antrum Cannula Curved 3. Suction Irrigation Tube with Channel for inflow & outflow 4. Frazier Suction Cannula 5. Massinng Elevator Graduated 6. Antrum Curette 7. Antrum Ball Probe 8. Sickel Knife 9. Giraf Forceps Upward 10. Nasal Cissors Straight 11. Antrum Punch Backward Cutting Upward 12. Antrum Punch Backward Cutting Downward 13. Super Punch Through Cutting Upward 14. Super Punch Through Cutting Straight 15. Antrum Punch 360° Rotable 16. Blaksley Nasal Forceps Straight 17. Blaksley Nasal Forceps 45° 18. Blaksley Forceps 90° 19. Mushroom Forceps Straight 20. Mushroom Forceps Upward 21. Antrum Grasping Forceps
6	<p><u>Tonsillectomy Instruments Set</u></p> <p>The set should have following:-</p> <ol style="list-style-type: none"> 1. Mouth Gas Davis Set of 5 Blades 2. Tonsil Artery Forceps Straight 3. Tonsil Artery Forceps Curved 4. Tonsil Elevator 5. Bruening Tonsil Snare 6. Yankur Suction Tube 7. Needle Holder TC coated 8. Backhouse Towel Forceps 9. Negus Pusher Knot Tier 10. Irwin Moore Tonsil Needle Right 11. Irwin Moore Tonsil Needle Left 12. Negus Tonsil Artery Forceps Long Curved 13. Negus Tonsil Artery Forceps Long Straight 14. Backman Adenoid Curette with cage set of 3 15. Negus Tonsil Retractor 16. Negus Tonsil Piller Dissector & Retractor 17. Backman Adenoid Curette without cage Set of 2 18. Hartman Choctome 19. Waugh Tonsil Dissecting Forceps Plain 20. Waugh Tonsil Dissecting Forceps Tooth 21. Denis Browne Tonsil Holding Forceps 22. Tonsil Scissors straight 23. Tonsil Scissors Curved 24. JENNINGS Mouth Gas

	25. DRAFFIN Bipod Stand with Plates
7	<p><u>Septoplasty Instruments Set</u></p> <p>The Set should have following 01 nos:-</p> <ol style="list-style-type: none"> 1. Scalpal Handle Long 2. Cottle Nasal Knife Rounded Edge 3. Joseph Plastic Scissors 4. Walter Scissors Angled 10 cm 5. Foman Angular Scissors Serrated Blades 6. Cottle Chisel Straight 7. Cottle Osteotome Straight 8. Masing Chisel with Guard 9. Cottle Alar Retractor 10. Lucas Nasal Forceps 11. Aufricht Retractor 12. Suction Elevator By, 22 cm 13. Masing Double Elevator Graduated 14. Freer Elevator 15. JOSEPH Nasal Rasp Fine 16. Cottle Masing Nasal Rasp Coarse 17. WALSHAM Septum Forcep 18. Thudicum Nasal Speculum 19. Killing Speculum Set of 4 20. Blacksley Nasal Forceps upward 45 degree 21. Watson William Pylpus Forceps Serrated 22. Frazier Suction Cannula 23. Cottle Columella Forceps 24. Bone Cutting Forceps 25. Heyman Nasal Turbectomy Scissors
8	<p><u>DirectoLaryngoscope set</u></p> <p>The set should have following 01 nos.</p> <ol style="list-style-type: none"> 01. Anterior Commissure Laryngoscope with Fibre Optic Carrier-Small, Medium & Large 02. Negus Anterior Commissure Laryngoscope with long cut with Fibre Optic Carrier 03. JACKSON Laryngoscope with Fibre Light Carrier 04. Laryngoscope holder and chest support 05. Laryngeal Suction Tube 25cm & 35cm
9	<p><u>MicroLaryngoscope Set</u></p> <p>The set should have following 01 nos:-</p> <ol style="list-style-type: none"> 1. Micro Laryngeal Round Knife 45 Degree 2. Micro Laryngeal Peeling Knife 3. Micro Laryngeal Plaster Knife 4. Micro Laryngeal Sickle Knife 5. Micro Laryngeal Hook 45 degree 6. Micro Laryngeal Probe 90 degree 7. Micro Laryngeal Ring Straight 8. Micro Laryngeal Swab Holder 9. Holder for Micro Laryngeal Instruments 10. Micro Laryngeal Forceps Serrated Jaw 25 cm, 35 cm 11. Micro Laryngeal Forceps Serrated Jaw Curved left 25 cm 12. Micro Laryngeal Forceps Serrated Curved right 25 cm 13. Micro Laryngeal Forceps Serrated Curved Upward 25 cm 14. Micro Laryngeal Forceps Cup jaw Straight 25 cm 15. Micro Laryngeal Forceps Cup Jaw 25 cm 16. Micro Laryngeal Forceps Cup Jaw 25 cm Left 17. Micro Laryngeal Forceps Cup jaw 25 cm Right 18. Micro Laryngeal Forceps Cup Jaw Upward 25 cm

	19. Micro Laryngeal Scissors Straight 25 cm 20. Micro Laryngeal Scissors left 25 cm 21. Micro Laryngeal Scissors Right 25 cm 22. Micro Laryngeal Scissors Upward 25 cm
10	<p><u>Mastoidectomy set</u></p> <p>The set should have following 01 nos:-</p> <ol style="list-style-type: none"> 1. Wild Aural Forceps Large 2. FAGGE Aural Bayonet Forceps 3. ADSON Plain Forceps 4. ADSON Forceps with 1x2 teeth HARTMAN Aural Forceps 5. HARTMAN aural Forceps 6. OSSICLE Holding Forceps 7. TILLEY Aural Forceps 8. LEMPET Rongeur Curved 9. PLESTER Self Retaining Retractor 2x2 Prongs 10. WULLSTEIN Self Retaining Retractor 3x3 Prongs 11. WULLSTEIN Self Retaining Retractor 4x4 Prongs 12. PLESTERJANSEN Retractor Solid Blade Left 13. PLESTERJANSEN Retractor Solid Blade Right 14. GLEGG Aural Snare 15. JANSEN Chisel 16. JANSEN Osteotome 17. JENKINS Gouge 18. Cone Self Retaining Adjustable Retractor 19. LEMPERET Mastoid Curette 20. FARABEUF Elevator Curved 21. KERRISON Bone Punch 22. HOUSES Graft Press Forceps 23. MASTOID Suction Tube 24. Suction Tube-Set & Holder 25. Temporal Bone Holder 26. Micro Aural Crocodile Forceps 27. Micro Crocodile Cup Forceps 28. Micro Crocodile Scissors

(Sr. no. 7) Technical Specifications of Cryotherapy unit with airflow technology

1. The equipment should be based on latest air flow technology for therapeutic purposes.
2. The cooled air should reach the therapeutic location via an application tube.
3. Air current flow should be able to regulate according to needs.
4. It should have intelligent air flow control system with temperature up to -60°C.
5. Equipment should use Room air drawn into the device filtered and cooled to the required therapy temperature.
6. It should have auto self-detection controlling system.
7. It should have continuous compressing for an immediate use (standby mode).
8. It should have provision of self-defrosting system for the best cooling performance.
9. Display should be user friendly for easy and practical operation preferably inbuilt English and/or Hindi language.
10. It should work on power supply of 220-250 V - 50/60 Hz.
11. Power consumption should be not more than 1500 VA.
12. It should have graded air flow of at least 1000 l/min.
13. It should have standby and defrost mode with automatic defrosting.
14. It should be supplied with hose of 150 cms or more.
15. 5, 10, 15 mm and angled nozzles should be included.
16. Accessories to allow hands-free/static operation should be included in the standard offer.
17. All available Accessories with functionality be included in technical and price quotations that would be frozen for the entire duration of warranty/CMC.
18. It should be equipped for mobile operation.
19. CVT/UPS and other safety features should be provided for equipment and manpower working on it.
20. The Unit should have USA/European Certification on safety and quality assurances.

General

21. Equipment should conform to European CE/US FDA standards.
22. 5 years Warranty + 5 Years CMC, including all the software upgrades and as per DrRMLIMS Terms and Conditions.
23. Undertaking to honour Warranty/CMC to be given by **both**, the Principal/Manufacturer and the Indian Vendor.

(Sr. no. 8) Technical Specifications of CHOLEDOCHOSCOPE

SPECIFICATIONS:

1. CAMERA SYSTEM:

- a. Single chip camera
- b. Must include filters for use with fibreoptic flexible scopes
- 2. **HIGH INTENSITY LED** light source (life 10000 hours or more)/ **XENON** light source along with approx 3. 5 mm fibre optic light cable.
- 3. **MONITOR**- 14” -19” flat screen HD, LED monitor of reputed international brand.

4. FLEXIBLE CHOLEDOCHOSCOPE

- a. flexible fibreopticcholedochoscope
- b. distal tip outer diameter 11- 15.5 Fr
- c. working channel inner diameter approx 6 Fr
- d. working length 350- 450 mm
- e. Should have 140-180 degree or more up angulation and 100–140 degree or more down angulation for optimal visualization
- f. direction of view 0 degree, angle of view 110 degrees

5. FOLLWING ACCESSORIES MUST BE INCLUDED:

- a. Case
- b. Applicator and guiding device for use with trocar size 7 mm
- c. Grasping forceps (basket) 5 Fr, length 60 cm - 2
- d. Biopsy forceps 5 Fr, length 60 cm - 2
- e. Bipronged forceps (compatible with the scope) -2
- f. Tripronged forceps (compatible with the scope) - 2
- g. Brush for biopsy - 2
- h. Pressure compensation cap
- i. Leakage tester
- j. Cleaning brush
- k. Luer adaptor with seal
- l. Seal for working channel- package of 10
- m. Cleaning adaptor

6. RIGID CHOLEDOCHOSCOPE/NEPHROSCOPE:

- a. Wide Angle Straight Forward Telescope 0-6°, 18 Fr., with parallel eyepiece, autoclavable, fiber optic light transmission incorporated with 13.7 Fr. working channel, with LUER-Lock connector for inflow
- b. Operating Sheath, 22 Fr., for continuous irrigation and suction, with rotatable irrigation stopcock
- c. Should be provided with compatible bipronged and tripronged forceps – 2 each

CONDITIONS FOR TENDER:

- 1. The choledochoscope should be US FDA approved and with EUROPEAN CE certificate.
- 2. The choledochoscope, the camera, the light source and the accessories should be of same make.
- 3. Installation process should be perform by O.E.M trained service engineers / service representatives on oem letterhead or service report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained service engineer/ service representative quarterly per year till completion of warranty period (ie 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till completion of CMC period .
- 4. The equipment should have brand name / model number embossed / etched on the equipment.

5. All the technical specifications in the compliance statement must be supported by original literature from the firm / O.E.M with highlighting numbering & flagging of all technical certificates.
6. Offered equipment should have very strong govt. installation base
7. Offered equipment should have regional after sales service center of the original equipment manufacturer in the north region for 90 % uptime guarantee.
8. Offered equipment should have warranty for 05 years and should submit institutional price list of required consumables & accessories.
9. After completion of 05 years warranty period the CMC should be offered for the next 05 years for offered equipment
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the original equipment manufacturer's letterhead.
11. In case of technical snag / failure / breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine till the period of recovery of breakdown of the unit, failing which attracts penal action as per decision of institute / hospital.
12. Annual comprehensive maintenance contract (APMC) for the quoted equipment should be offered at original equipment manufacturers service team letter head for further years
13. For offered equipment the training of technical staff and users should be performed by original equipment manufacturer trained service engineers - service representatives
14. For offered equipment the installation process should be performed by original equipment manufacturer trained service engineers - service representatives on principal company / original equipment manufacturer's letterhead.
15. Company should quote their latest model.
16. As a tendering process the **physical demonstration** of the offered equipment is **mandatory** at hospital / institute premises at bidders cost. no electronic ppt or video of the offered equipment would be accepted.

(Sr. no. 9) Technical Specifications of Refrigerated centrifuge for blood bags

1. For separation of blood components like packed cells, platelet rich plasma, platelet concentrate, cryprecipitate & Buffy Coat.
2. Refrigerated centrifuge with suitable rotor head & buckets should accommodate/process minimum 8 blood bags of 350/450 ml capacity simultaneously.
3. Manufacturer to indicate volume & capacity of plastic bucket
4. Should be supplied with windshielded rotor-head with swing out buckets.
5. Oval Shaped metal buckets with removable plastic oval cups to hold double/triple/quadruple/Inline filter blood bags.
6. Centrifugal Force-Max ceiling 5500g.
7. Microprocessor Controlled rotor speed to with Speed holding accuracy ± 10 RPM of set value.
8. Different 9 Acceleration & 10 Deceleration profiles should be available.
9. Temperature range 0 deg C to +40 deg C, Microprocessor controlled rotor temperature within ± 1 deg C regardless of centrifuge speed.
10. Programmable time should be from 0-99 minutes with minimum revolution of 1 minute.
11. Digital display of temperature, speed & time & other relevant parameters.
12. Automatic shut down of centrifuge, if rotor load is out of balance with indicator.
13. The equipment should have lockable castors along with ground firming Jacks for vibration free performance
14. The Refrigerated centrifuge should have built in memory to store at least 50 data of centrifugation during the processing of Blood Components. The data from the centrifuge can be transferred to a computer using a RS 232 data interface.
15. Should have Low noise level (≤ 55 db)
16. Should have tropicalized to run from 0°C to 40°C & RH up to 95%
17. Should have simultaneous display of set & run parameters.
18. Advance manufacturing techniques are used for mounting of brushless induction drive motor in PUF insulated, corrosion free, stainless steel armored chamber resulting in minimized vibration and noise level.
19. Programmable 51 memories with password protected tamper proof facility.
20. Should have self-diagnosis of program errors
21. Should have Lid closing & opening with the help of gas hinges
22. Should have Log of latest 50 run records on LCD display
23. Should have Real time clock
24. Should have Safety lid-interlock to prevent cover opening during centrifugation
25. Should have unbalance cut-off with indication
26. Should have Safety key lock to prevent unauthorized use
27. Should have alarms for imbalance, lid open, over temperature
28. Power Supply Requirement: -220-240 Volts 50 Hz Single phase.

29. A line voltage corrector of appropriate rating giving all the specifications should be supplied along with the unit.
30. Product should be CE marked/USFDA Compliance from WHO GMP certified manufacturer
31. A line voltage corrector of appropriate rating giving all the specifications should be supplied along with the unit.

Essential Criteria:

74. Demonstration mandatory at hospital premises at OEM cost.

75. All the technical specifications accepted in the compliance statement must be supported by **Original Literature from the firm/ O.E.M with Highlighting, Numbering & flagging as per below mentioned format for the compliance statement.**

S. No.	Technical Specification	Compliance Yes / No	Page No. in the proposal submitted where documentary evidence is enclosed as per tender Specs with highlighting, Numbering & flagging
1			
2			

(Sr. no. 10) Technical Specifications of Portable RO System
For Pediatric Hemodialysis

S.No.	Specification Required
1	Should be of compact design on wheels for easy movement.
2	Should be able to produce 125 Liter/Hour of permeate.
3	The system must be Microprocessor based.
4	In build Capabilities to show on display for Permeate (Supply in liter/min, Temperature) & for Raw Water (Consumption in Liters/min & Pressure)
5	Should have built in dual column softener with fully automated brine, fill and clean cycles, also have a brine tank incorporated in the system.
6	Should have built in cartridge type Charcoal Filter.
7	Should have fully automatic disinfection system in place.
8	Should have built in cartridge filter of 10 Micron and 5 Micron.
9	Should have programmable fully automated Rinse cycle for membranes wash.
10	There should be a provision of OFF line mode and ONLINE mode of Permeate Supply, In case permeate supply is to be used to run dialysis machines directly without collecting permeate to tank it should be possible.
11	There should be a water saving system in place which adjusts the output to the number of machines in use and controls yield accordingly.
12	Should not have noise level more than 65 dB.
13	Should deliver the water quality as per AAMI standard.
14	Yield setting should be between 50 to 70 %.
15	Should have CE certification attached with tender document.
16	With UPS branded Online with ½ Hr. Back-up

Essential Criteria:

1. Demonstration mandatory at hospital premises at OEM cost.
2. The accessories/consumables utilized during the period of installation process should be taken care FOC by OEM/Service provider.

(Sr. no. 11) Technical Specifications of ACT Machine

1	Equipment for assessment of Activated clotting time (ACT)
2	It should be compact & portable for bed-side testing
3	It should have inbuilt mechanism to heat the cartridge.
4	Range 37.0.±2 Degree c.
5	It should require less than 2ml of blood for each test.
6	It should be capable of displaying two reports at one time.
7	There should be five year warranty of the machine.
8	Measurement range 0-1500 sec.
9	LED/LCD based screen for displaying results (fully digital display screen)
10	Environment-15degree-30degree C.
11	Data transfer capability: Printer option available facility to store view multiple patient data.
12	One Button Operation- Easy to Use.
13	Should be USFDA/EUROPEAN CE approved
14	System should be microprocessor controlled designed to determine coagulation end points in whole blood, Citrated blood and plasma samples.
15	Single/ Dual well testing method.
16	Accepts actalyte ACT tubes with celite, kaolin, glass bead activator, MAX ACT tubes with blended activator; all international technidyne Hemochron tubes.
17	1000 ACT tubes to be provided with the machine without any additional cost.
18	List of users must be enclosed.
19	In case of malfunction/breakdown, the company should provide temporary back-up support within 24 hrs of registering the complaint till the time machine is repaired and returned.
20	It should have a battery backup of 2 hrs.
21	Desirable: Rate of Actual Clot Formation (CR, Clot Rate: Thrombin Activity, Low Molecular Weight Heparin Management
22	Companies to indicate separately and clearly in their technical bids whether their products conform / do not conform to each parameter in the specification and also to the extent it deviates from the specifications. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any technical specification claimed to be present by the company, if not substantiated with authenticated catalogue/manual, will not be considered.

(Sr. no. 12) Technical Specifications of Automated work station from staining to cover slipping

1. The sytem should be fully automated and cover all steps from section baking, dewaxing, Hematoxylin and Eosin staining, dehydration, coverslipping and drying of slides
2. Should have a minimum throughput of 200 slides per hour
3. Lowest cost will be calculated on the basis of the per slide cost (at a minimum of 50,000 slides per year for five years). The per slide cost should include cost of **ALL** reagents example Hematoxylin and Eosin stains etc, ***EXCEPT xylene, alcohol and glass slides***, cost of all overheads and all consumables parts not covered in the CMC.

These specification are generalized & not company specific

(Sr. no. 13) Technical Specifications of Mini Laparoscopy Instruments

1. Quantity to be quoted for all items is 1 unless specified otherwise.
2. All items must be from the same manufacturer; No local / indigenous alternatives will be acceptable.
3. All items quoted must be completely autoclavable.
4. All items quoted must be USFDA and CE approved.

TELESOPES

1. Straight Forward Telescope 0° enlarged view, diameter 3.3 mm, length 25 cm, fiber optic light transmission incorporated
2. Forward-Oblique Telescope 30° enlarged view, diameter 3.3 mm, length 25 cm, fiber optic light transmission incorporated
3. Forward-Oblique Telescope 45° enlarged view, diameter 3.3 mm, length 25 cm, fiber optic light transmission incorporated
4. Forward-Oblique Telescope 30° enlarged view, diameter 5 mm, length 29 cm, fiber optic light transmission incorporated
5. Light adapter - 4,8 mm - 90° angled - Free rotatable to connect with standard scopes
6. Adaptor for changing of telescopes maintaining sterility

TROCARS

7. Cannula size: 3.5 mm diameter; should have silicone leaflet valve. It should have LUER-LOCK for CO2 insufflation. Trocar should have conical tip. The working length of the cannula should be 100 mm
Qty. 4 Nos.
8. Cannula size: 3.5 mm diameter; low friction cannula without connector for insufflation Trocar should have blunt tip. The working length of the cannula should be 100 mm
Qty. 2 Nos.
9. Cannula size: 6 mm diameter; should have silicone leaflet valve. It should have LUER-LOCK for CO2 insufflation. Trocar should have conical tip. The working length of the cannula should be 105 mm
Qty. 2 Nos.

HAND INSTRUMENTS

10. Three part laparoscopic MARYLAND Dissecting and Grasping Forcep, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 3.5 mm, length 36 cm, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
11. Three part laparoscopic MARYLAND Dissecting and Grasping Forcep, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 3.5 mm, length 36 cm, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.

12. Three part laparoscopic RIGHT ANGLED Dissecting and Grasping Forcep, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 3.5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
13. Three part laparoscopic ATRAUMATIC LONG Grasping Forcep, single action jaws, fine serration, atraumatic, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
14. Three part laparoscopic ATRAUMATIC SHORT Grasping Forcep, double action jaws, atraumatic, fenestrated, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
15. Three part laparoscopic BOWEL Grasping Forcep, double action jaws, atraumatic, fenestrated, 360 degree rotational sheeth,with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm,ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button **Qty. 2 Nos.**
16. Three part laparoscopic ATRAUMATIC LONG WITH HOLLOW JAWS Grasping Forcep, double action jaws, atraumatic, wavy serration, fenestrated, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm, ergonomic metal Handle with ratchet plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
17. Three part laparoscopic BABCOCK Grasping Forcep, double action jaws, atraumatic, fenestrated, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm, ergonomic metal Handle with ratchet plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
18. Three part laparoscopic TAN Pyloric Spreader Grasping Forcep, double action jaws, atraumatic,in- and outside serrated jaws, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm, ergonomic metal Handle with ratchet plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
19. Three part laparoscopic HEAVY Grasping Forcep, double action jaws, 360 degree rotational sheeth, with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm,ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button
20. Three part laparoscopic TRAUMATIC/TOOTH Dissecting and Grasping Forceps, "tiger jaws", rotating, dismantling, without connector pin for unipolar coagulation with LUER Lock adaptor for cleaning size 3.5 mm, length 36 cm,metal Handle with ratchet, can be dismantled with the press of a button
21. Three part laparoscopic METZENBAUM scissors, curved blades, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 3.5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.**Qty. 2 Nos.**

22. Three part laparoscopic Micro HOOK scissors, 360 degree rotational sheath, with connector pin for unipolar coagulation, size 3.5 mm, length 36 cm, long, single action jaws, with ergonomic metal handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button. **Qty. 2 Nos.**
23. Coagulating and Dissecting Electrode, L-shaped, tapered tip, with cm- marking, with connector pin for unipolar coagulation, size 3 mm, length 36 cm
24. Irrigation and Suction Cannula, for use with two-way stopcock or modular handles for irrigation and suction, size 3 mm, length 36 cm
25. Pistol Grip Handle, with clamping valve, for use with suction and irrigation tubes with central working channel
26. Adaptor for use handles for suction and irrigation and the suction and irrigation cannulas
27. Two part laparoscopic Bipolar Grasping Forceps, CLERMONT- FERRAND MODEL, with especially fine atraumatic serration, fenestrated with connector pin for bipolar coagulation, 360 degree rotational sheath, size 3.5 mm, length 36 cm, double action jaws, ergonomic Plastic handle with larger contact area, can be dismantled with the press of a button
28. Two part laparoscopic Bipolar KELLY Dissecting & Grasping Forceps, CLERMONT- FERRAND MODEL, with connector pin for bipolar coagulation, 360 degree rotational sheath, size 3.5 mm, length 36 cm, double action jaws, ergonomic Plastic handle with larger contact area, can be dismantled with the press of a button
29. Two part laparoscopic Bipolar Scissors, CLERMONT- FERRAND MODEL, with connector pin for bipolar coagulation, 360 degree rotational sheath, size 3.5 mm, length 36 cm, double action jaws, ergonomic Plastic handle with larger contact area, can be dismantled with the press of a button
30. Unipolar High Frequency Cord **Qty. 4 Nos.**
31. Bipolar High Frequency Cord **Qty. 2 Nos.**
32. Ultramicro Needle Holder, with tungsten carbide inserts, straight handle, with ratchet, jaws slightly curved to left, size 3 mm, length 36 cm, for use with suture material 7/0, 8/0
33. Ultramicro Needle Holder, with tungsten carbide inserts, slightly right curved, straight handle, with ratchet, size 3 mm, length 36 cm

BOO for Items/Equipments in Indian Currency

Sr. no.	Description
1	e-bid Notice No. RMLIMS/MM(eq)/2019-20/2777 dated 07.10.2019
2	Name of the equipment/item:-
3	OEM Name/Make
4	Model no.
5	Equipment/Items HSN code no.
6	Quoted unit PRICE IN INR (exclusive of all taxes) (with 05 years unconditional warranty)
7	GST value or % as applicable (on sr. no. 06)
8	Standard Accessories if required as per tender specification in INR with HSN code (exclusive of all taxes) (with 05 years unconditional warranty)
9	GST value or % as applicable
10	Total Equipment Price + Standard Accessories Amount (inclusive GST) (Sr. no. 6+7+8+9)
11	CMC (From 6th to 10th Year)
12	6 th
13	7 th
14	8 th
15	9 th
16	10 th
17	Total CMC Cost
18	GST value or % on CMC (as applicable)
19	Total CMC Price + GST
20	Total Cost of equipment [Total Amount + CMC with GST (6 th to 10 th yrs) in INR] (Sr. no 10+19)
Note:- All fields and columns of price bid must compulsorily be filled.	

BOQ for Items/Equipments in Foreign Currency

Sr. no.	Description	
1	E-bid notice no. RMLIMS/MM(eq)/2019-20/2777 dated 07.10.2019	
2	Name of the equipment/item:-	
3	OEM Name/Make	
4	Model no.	
5	Equipment/Items HSN code	
6	Quoted unit FOB PRICE: SGD/JPY/Euro/USD etc. (exclusive of all taxes) (with 05 years unconditional warranty)	
7	Standard Accessories unit FOB price if required as per tender specification in Foreign currency with HSN code (exclusive of all taxes) (with 05 years unconditional warranty)	
8	Equipment FOB Price + Standard Accessories price in foreign currency (Sr. no. 6+7)	
9	(-) Less Indian Agency Commission (if any)	
10	Net Equipment FOB Value	
11	Add Freight & Insurance charges	
12	Total Equipment CIP / CIF Value (Sr. no. 10 + 11)	
13	* Cost of Custom Duty	
14	IGST+ other taxes	
15	* Cost of Clearance Charges	
16	* Add Indian Agency Commission in INR	
17	Cost of Equipment (CIP/CIF Value) + Custom Duty+ Custom Clearance +IGST+ Indian Agency Commission in INR	
18	* Standard Accessories if required as per tender specification in INR (exclusive of all taxes) (with 05 years unconditional warranty)	
19	GST value or % (as applicable) (on sr. no 18)	
20	Total Standard Accessories Price (INR) + GST (Sr. no. 18+19)	
21	Cost of turnkey work (if required)	
22	GST value or % on cost of turnkey work (if required)	
23	Total cost of Turnkey work inclusive GST (Sr. no. 21+22)	
24	Total cost of Equipment (Sr. no. 17+18+19+20+23)	
25	CMC on net FOB value (From 6th to 10th Year)	
26	6 th	
27	7 th	
28	8 th	
29	9 th	
30	10 th	
31	Total CMC Value	
32	GST value or % on CMC value (as applicable)	
33	Total CMC Price (6th to 10th yrs) including GST	
34	Grand total amount of equipment (Sr. no. 24+33)	

NOTE:- (*) Conditions applied.* **Clearance Charges** will be paid on actual or maximum @ 1%(Inclusive all taxes) of FOB/CIF/CIP price whichever is less.

* **Indian Agency Commission** will be paid on the conversion rate of comparative chart on which basis the P.O. has been awarded or conversion rate at the time of payment whichever is less.

* **Detail List of standard accessories (as mentioned in sr. no. 07 or 18) with price must be annexed with price bid.**
All fields and columns of price bid must compulsorily be filled.