



DR. RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCES

VIBHUTI KHAND , GOMTI NAGAR, LUCKNOW- 226 010

Phones: 0522-4918502, 4918510, Fax 0522-4918506 Website : www.drrmlims.ac.in

Ref. No. RMLIMS/MM(eq)/2019-20/ 5845

Date:- 15 .02.2020

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)/2019-20/5379/5315/4172/4233 dated 24.01.2020/21.01.2020/08.11.2019/27.11.2019 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.drrmlims.ac.in for reference only.

Director

Advertisement no. RMLIMS/MM(eq)/2019-20/5845 dated 15.02.2020

- Start date of Submitting of e-Tender is:- 17.02.2020
- Last date of Submission of e-Tender is:- 02.03.2020 upto 4:00 P.M.
- Date of opening of Technical bid is :- 03.03.2020 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 cost
1	Endocrine surgery	Thoracic surgery sternum saw (4th time offer)	1	2360	2500	2,00,000.00
2	Surgical oncology	OT Light/Camera/Video Recording with OT Integration of existing equipments (4th time offer)	1	2360	30500	30,00,000.00
3	Biochemistry (Central Research Lab)	Infra-Red Spectroscope (IR Sepctroscope) (4th time offer)	1	2360	25500	25,00,000.00
4	Transfusion Medicine	Refrigerated Centrifuge for 12 Blood Bags (2nd time offer)	01	2360	45500	45,00,000.00
5	ENT	Operating Instrument (5th time offer)	01 set	2360	40500	40,00,000.00
6	Anaesthesiology	Difficult Airway Cart (2nd time offer)	01	2360	25500	25,00,000.00

TENDER DOCUMENT 2019-20

GENERAL TERMS & CONDITIONS FOR INVITING E-TENDER NOTICE NO.

RMLIMS/MM(EQ)/2019-20/5845 DATED 15.02.2020

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. **PBG:-**
 - 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. 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;-
 - 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.A receiver is appointed for any of the property owned by the vendor.
23. Upon receipt of the said cancellation notice, the vendor shall discontinue all works of the purchase order and matters connected with it.

24. Tender fee and EMD details:-
- 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.
- (a) Account Number- **17730108888888**
 - (b) Name of Account – Director, Dr.Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow
 - (c) Name of Bank and Branch – Indian Overseas Bank, Vibhuti Khand, Gomti Nagar, Luknow, U.P.-226010
 - (d) IFS Code- IOBA0001773
- B. For online refund of EMD, following details be provided by the bidders in technical bid:
- (a) Tender number
 - (b) Name of bidder/tenderer
 - (c) Name of equipment
 - (d) Amount of EMD
 - (e) Name of Bank and Branch
 - (f) IFS Code
 - (g) Name of account
 - (h) Bank Account number of the firm
- i. In non-compliance of terms & conditions of the tender and/or supply order, EMD may be forfeited.
 - ii. The EMD of unsuccessful bidder will be released after the supply is matured.
 - iii. The EMD of successful bidder will be released after execution of supply order satisfactorily.
 - iv. No interest will be paid on EMD amount of successful/ unsuccessful bidders.
25. 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.
26. 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.
27. The price should be on F.O.R. Dr. RMLIMS, Lucknow, Central Store basis inclusive of all levies and duties.
28. 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.
- 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.
- 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)**.
29. Declare separately the FOB and CIP/CIF prices.

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. 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.
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
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 (6th years to 10th years) at the time of end of warranty date of the equipment.
33. 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.
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.
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. **Payment Terms :-**
- 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.
 - 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. Force majeure shall mean and be limited to the following:
- * 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. 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.
- 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.
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. **Penalty Clause** :-
- a. In the case of not honouring the supply order, Ram Manohar Lohia Institute of Medical Sciences, will forfeit the EMD.
 - 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.

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).

- c. The standard delivery period shall be Letter of Credit (LC) period FOR/FOB nearest port in India and additional delivery period from nearest port to the Institute shall be not more than fifteen days (15 days).

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).

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.
 - 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.

The price bid will be opened **online** in the presence of authorized representative of technically qualified tenderer within reasonable time.

- i. The evaluation report of technical bids by the technical committee will be the final decision for qualifying the firm.
- ii. 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 .
- iii. The prices for optional items if not required in Technical Specification will be excluded for ranking purpose.
50. **Custom Duty and Custom Clearance Charges** :- 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.

In addition to the clause no. 06 & 49 above the criteria for determining L-1 would be as followed:-

- (i) Quoted CIP/CIF rates of the equipment with all standard and essential accessories as per specification with 5 years unconditional warranty.

- (ii) Quoted CMC charges including GST after expiry of warranty period from 6th to 10th year.
- (iii) 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.

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.

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.

51. Payment to 3rd 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. If any information submitted by the bidder is found incorrect then
 - 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. **Turnover:-** 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:
(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:-Please note that separate tender should be quoted for each item/ equipment.

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.)**

Annexure-A

Check list

e-Bid reference no: /RMLIMS/MM(eq)/2019-20/5845 dated 15.02.2020

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	Turnover:- 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

(1) Technical Specifications of Thoracic surgery sternum saw

Sternum saw hand piece

- Should have safe mode
- Should have two speed controls with standards and modes free speed of 1100-1300 cycles per minute
- Microprocessor controlled hand piece can be calibrated for the consistency performance
- Should have DC brushless motor for low maintenance
- No lubrication required for lifetime
- Should have toolless mounting of accessories for all blades or attachments
- Saw noise levels should not be more than 84db
- Should be autoclavable
- With different blades it should have maximum speed of 1300 CPM
- Should be quoted with 2 sternum guards

Battery charger

- 220-240volts charger and should have the feature to count the charging cycle for a particular battery
- Should have capability to identify the worn out of battery
- Should have to charge four batteries at a time without any module or modification need
- Should have an indicator to provide battery status for charging
- Should be able to charge different batteries with same charger

Battery kit (2 sets)

- Li-ion cell chemistry and also compatible with Ni Mh AND Ni Cd batteries with low internal impedance to deliver higher current than other battery types
- Should be 9.9volts with capacity of 2.2Ah
- Weight should not be more than 0.9lbs
- Li-ion cell capacity to produce more torque and autoclavable with life of 200 approximate and average charging cycles
- Should have a run time of minimum 21 minutes
- Should be of reconditioned with no memory effect
- Should have capability to safety features like shuts off current to battery terminal when hand piece is not connected

Sterilization case (1 set)

- Should accommodate all hand piece, attachment and accessories for auto save

Should be supplied with following blades free of cost

Sternum blades 50 in number

Certification

- Should have US FDA as well as CE Certification for the said equipment
- Should have ISO Certification

Service and support

- The company must have their service centre in India and the regional service support
- The company must provide a loaner support in case equipment is under warranty or under CMC
- Company has to provide training and education for equipment handling to all CSSD, Biomedical staff and OT Staff
- Company must have to do minimum two times preventive maintenance in one year with company trained engineer

(02) Technical Specifications of OT Light/Camera/Video Recording with OT Integration of existing equipments

MONITOR ARMS

The monitors should be mounted/ suspended on a separate Flat Panel Arms. It must be versatile for variety of medical grade monitors in laparoscopy / endoscopy / C ARM monitor etc. the option of Dual monitor mounting / suspension must be provided

Suitable panel for power & signal to be laid down for extra various sizes Monitor at Wall of Modular OT.

SUSPENDED ARMS

There must be various arms suspended with inbuilt wiring and cabling for anesthesia, laparoscopy, endoscopy, various energy sources , C Arm, mobile Ultrasound, video microscope etc. the number of arms must be minimum 4 or 5 with possible folding/self covering for better cleaning of floors/ wall etc.

Extra arms with lesser weight bearing must be provided for variety with suitable power and cable supply for ergonomics and suitability

Integration of various pre existing energy sources, lights, suction and irrigation, gas supply is must in the arms

Overall integration of various gadgets with ergonomic design and optimized cabling for better upkeep sterilization and digitization for display or transmission

AUDIO-VISUAL COMMUNICATION SYSTEM

The operating rooms should be connected to the Conference room or hall for video conferencing and live transmissions. Suitable cable provision should be laid accordingly

The Audio/Video Router system should have the minimum following outputs. The router should be having 12x12 Digital and upgradable to 18x18 (DVI-I/ DVI-D) with open architecture and which is upgradable to future input / output requirements. The routing system should be able to integrate HD signal from within the OT.

Audio – Visual system should receive the signal from different sources like Room camera, Endoscopy camera, Overhead camera, Archiving System, C-Arm, Video Microscope, Mobile ultrasound.

The routing system should allow selection of multiple views for simultaneous transmission in suitable formats. PACS dedicated PC has to be provided in OT or suitable system to receive and transmit the PACS from OT.

Loudspeakers to be installed within the Operating room. 3-Channel Loudspeaker with Digital volume control and Audio mixer and Audio equalizer should be installed at a most suitable place. Suitable cable material and a patch panel should be offered as per the position of the Loudspeaker

The surgeon and his team should be able to do Bi-Directional Audio/Video communication from OT to Conference Room.

An HD Video Conferencing system should be there for external communication from the operating room. The system should be able to transfer high quality real time images and audio signals from multipoint at a suitable data transfer speed. The system should be compatible with 1080p full HD resolution for transmission over the ISDN lines or IP Service. The conferencing system should be controlled via the touch screen of the integration system from the OT. Suitable Number / Sets of Transmitters, Receivers and Cables, connectors and accessories should be offered as per the requirement.

CENTRAL CONTROL SYSTEM

Full High Definition minimum 19" or more Medical grade LED monitor should be wall mounted or desk mounted for the display of live transmission of images and video sequences from the Operating Room (eg. images from C arm, endoscope, OR light camera, Microscope etc.).

Should have provision to record the images and video sequences from OT.

The Full High-Definition Digital Documentation System should be a high-end computer system based on Windows embedded platform designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution. The captured full high-definition images & videos can be accessed from the hard drive for printing or saving onto multiple forms of external media which includes CD/DVD, USB Flash Drive & Hospital network. It should be able to preview and simultaneously record views from two video sources parallel and archive as single patient file. The system should have security features

The system should be integrated with the Central Control System in such a way that the central control system is capable to route any running high-definition surgical videos, which is being recorded in it, onto any display device in an operating room.

It should have at least 1 TB internal Hard Disk Drive for in-system archiving. Also, it should have a feature of real time in-procedure DVD burning besides at-the-end procedure DVD burning.

Patient and image data should be able to call up and distributed to required monitors in the operating room

HIGH DEFINITION MONITOR FOR IMAGE DATA MANAGEMENT SYSTEM

Should have individual high definition medical grade minimum 32" LED monitor, wall mounted for images of PACS

Patient and image data should be able to call up and distributed to required monitors in the operating room

CAMERA INSIDE OT

HD cameras high speed with 10X Digital zoom lens, with pan tilt with power supply and reliable strong mounting assembly should be provided and integrated to the central control system .It should be controlled via 19" touch screen of integrated system

OT LIGHTS WITH FLAT PANEL ARM

LED OT Light with Double Dome (big size), Both Dome should be camera ready with flexibility to interchange Camera Mount. Dome should have handle that can be sterilized and the rail that goes around the light let you position the light head with ease. OT Light should have unrestricted rotation of 360 degree so that light head around its own axis ensures more freedom of movement.

OR Light should have homogenous light beam through more than adequate overlapping beams and have low heat generation through cool, infrared-free light. it should be energy saving and long-life LED modules with a lifetime of minimum 40,000 hours

Main and secondary light head with 160,000 Lux light intensity and 75 cm 65 cm diameter.

Number of LED's should be More than adequate per dome to counter any shadow creation through multiple beams from Individual LED creating homogenous Light Spot.

Depth Of Illuminance, Color rendering index (Ra), Color temperature LED service life, Radiant energy, Temperature increase at head area, Laminar flow Index and other technical details must be suitable and state of the art.

OT Light Dome should be sturdy and inbuilt protection from any liquid , Moist & dust ingress. And Designed to help in cleaning & easy maintenance. Compliant with laminar flow to maximize the efficiency air-conditioning.

Should support optimal vision during Minimal Invasive Surgery with adequate Power Consumption with electronic adjustment of light field diameter with Programmable range of dimming and flexible adjustment. Change the color for tissue differentiation hemostats & surgical material etc. for better ergonomics and working quality.

FULL HD CAMERA SYSTEM

High-resolution Full HD image quality (1080P) Based on wireless technology with Excellent color reproduction and Intuitive controls directly on the controller or via an IR remote control. Should have Digital video outputs with Simple exchange so that the camera can be easily mounted on other lights. It should assist rotation of the lights

Should be CE and US FDA approved

Video editing software should be provided

(03) Technical Specifications of Infra-Red Spectroscope (IR Sepctroscope)

1. Optical system: Vibration isolated baseplate. Sealed and desiccated enclosure must offer extended intervals between desiccant replacements, at least 5 years.
2. Wavelength range: 7800 cm⁻¹ to 375cm⁻¹ or better
3. Spectral resolution: 0.5 to 0.8 cm⁻¹ or better as standard (without any adjustment)
4. Wavelength Accuracy: 0.1 cm⁻¹ or better
5. Wavelength precision: 0.01 cm⁻¹ or better
6. S/N ratio: 35000:1 Peak-Peak per minute or better
7. Interferometer: Michelson interferometer, High stability, self-compensating for dynamic alignment changes due to a tilt and shear with 10 year warranty
8. Optics: Kinematically mounted, zero alignment optics with high reflectivity and a low-angle off axis design.
9. Source and laser: Long-life source/ durable source. User replaceable from outside instrument 10 year warranty, He-Neon/solid state/equivalent laser 10 year warranty
10. Detector: Temperature-stabilised / thermoelectrically cooled/ room temperature DTGS detector
11. Beam splitter: Dedicated extended range KBr beam splitter to cover whole range 7800 – 375 cm⁻¹
12. Sampling Accessories: All required accessories for Solid and liquid sample analysis for carrying out 100 samples along with demonstration to complete installation.
13. Sampling Accessories: monolithic Diamond ATR accessory for solid, Liquid and film type of sample analysis to cover range 7800 to 375 cm⁻¹ or better
14. Operating Conditions: 5 -45 °C
15. Typical Desiccant lifetime: 5 years at 25 C and 90% relative humidity, if required
16. Software -Data processing function: Latest version windows based packaged incorporating instrument control data manipulation, comparison of two or more spectra, analysis and flexible report facilitations, operating assistant with simple step by step operating procedure from menus; multitasking functions with built in software, accept store and apply multi-point calibration curves for concentration with various curve fitting techniques, Quantitative analysis as per Beers Law or classical least squares.
17. Sigma-Delta conversion: System must be incorporated with Sigma-Delta converters to reduces spectral artifacts and increases ordinate linearity to produce accurate, reproducible results.
18. Automatic validation of Hardware & Software: Std internal validation to provide complete reassurance of quality of measurement conforming ASTM with NIST traceable external polystyrene film & and an Internal Schott NG11 filter for ordinate repeatability
19. Work Station (PC) Compatible branded wall mountable touchscreen PC with i5 processor, 500 GB storage with 1 TB hard disc, wireless mouse and wireless keyboard must be quoted along with system. Two granite top vibration-free tables with shelves to keep instrument and accessories with must be quoted with the equipment.
20. FTIR Libraries: External Libraries (internationally certified) should be provided comprising of- Kidney stone analysis IR Library- should contain at least 1600 transmission spectra of human kidney stones and related chemicals, which should be a comprehensive collection of compounds found in human kidney such as different types of oxalates, phosphates, urate, silicates, other minerals and their mixtures as well as stones of drug or organic ions.
21. Application training is must before installation.

(04) Technical Specifications of Refrigerated Centrifuge for 12 Blood bags

- Blood Bank Refrigerated Floor Centrifuge for separation of blood components like packed cells, platelet rich plasma, platelet concentrate, Plasma, Cryoprecipitate & Buffy Coat Wind Shield Swinging bucket blood bank rotor: Oval metal buckets with middle partition to hold 2 blood bags. Total Capacity-6X 2000ml, for 12 Quadruple blood bag systems of 450 ml with filters, with SGAM bag and empty satellite bags.
- Maximum Speed – 4200 RPM, RCF 5000- 6000g.
- The Centrifuge must have an automatic door interlock & opening of door with the help of a push button.
- Touch Screen operating controls that can be used with gloved hand and which displays both set & actual run conditions simultaneously. User access control and security with optional password protection.
- The Centrifuge Must be able to store 50 programs or more.
- **Power Requirement: 230V, Single Phase, 50Hz, 32 Amps.**
- Microprocessor Controlled Operations to adjust run time & speed automatically.
- **Stainless steel chamber: Easy to clean, corrosion resistant with provision of both drain and condensed water collection container.**
- The Unit Must have application enable to remote monitoring of run status or identification of available centrifuges from the mobile app.
- The Centrifuge must have a drive technology automatically neutralizes 50 to 150 g loading imbalance.
- **Temperature Control Range: -20°C to +40°C, adjustable to 1°C.**
- The Centrifuge must have more than 10 acceleration rates and more than 10 deceleration rates.
- Removable plastic inserts set of 2, 4 sets, to spin quadruple blood bag system 450 ml with soft filters and with provision to hold balancing weights at the sides of the insert so it will not come in contact with blood bags, supplied with one set of balancing weights,
- Removable plastic inserts with built in hook adapter to spin quintuple blood bag system of 450 ml with filters and to spin buffy coat or small volume of blood, set of 2, 4 sets,
- Removable plastic inserts to spin double bags with provision to hold balancing weights at the sides of the insert so it will not come in contact with blood bags, supplied with one set of balancing weights, set of 2,4 sets,
- Auto –ID instant rotor identification
- On-board run logging of user, run conditions and error messages
- Integrated rotor calculator for simplifying protocol modifications and transfers.
- Help Screen & in- use training with on board tutorial videos and a quick start manual.
- It should have temper proof memory with password protection.
- Refrigeration off when door opens; Eco-Spine wind shielded rotors.

- Maintenance Tracking log
- Supplied with balancing plates to compensate big weight difference, one set of 2 plates each of 35g and 65 g
- The Centrifuge should be European CE and USFDA Certified.
- Safety Standards EN 61010-1 3rd. Edition, IEC 61010-2-020 2nd ed & CDV 61010-2-020 3rd Edition, IEC 61010-2-101 3rd Edition, EN 61326-1 Class B
- Programmable time: up to 99 minutes with increment / decrement of 1 minute.

Annexure-B

(Sr. no. 05) 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	<p><u>Stapedotomy Instruments Set</u></p> <p>The set should have following 01 nos:-</p> <ol style="list-style-type: none"> 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 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. LEMPERS Longeurcrved 4. JANSSEN Chiesel 5. Osteotome

	<ol style="list-style-type: none"> 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. Starilisation box with double mat
5	<p><u>Fess Instuments 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. Sickle Knife 9. Giraf Forceps Upward 10. Nasal Cissors Straight 11. Antrum Punch Backward Cutting Upward 12. Anntum Punch Backward Cutting Downward 13. Super Punch Through Cutting Upward 14. Super Punch Through Cutting Straight 15. Anturm 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. Backhause Towel Forceps 9. Negus Pusher Knot Tier 10. Irwin Moore Tonsil Needle Right 11. Irwin Moore Tonsil Neelde Left 12. Negus Tonis Artery Forceps Long Curved 13. Negus Tonis Artery Forceps Long Straight 14. Backman Adenoid Curette with case set of 3 15. Negus Tonsil Retractor 16. Negus Tonsil Piller Dissector & Retractor

	<ul style="list-style-type: none"> 17. Backman Adenoid Curette without cagee Set of 2 18. Hartman Chochotome 19. Waugh Tonsil Dissecting Forceps Plain 20. Waugh Tonsil Dissecting Forceps Tooth 21. Denis Browne Tonsil Holding Forceps 22. Tonsil Scissors stratight 23. Tonsil Scissors Curved 24. JENNINGS Mouth Gas 25. DRAFFIN Bipod Stand with Plates
7	<p><u>Septoplasty Instruments Se</u></p> <p>The Set shoudhbave following 01 nos:-</p> <ul style="list-style-type: none"> 1. Scalpal Handle Long 2. Cottle Nasal Knife Rounded Edge 3. Joseph Plastic Sciissors 4. Walter Scissors Angled 10 cm 5. Foman Angular Scissors Serrated Blades 6. Cottle Chisel Straight 7. CottleOsteotome Straight 8. Masing Chisel with Guard 9. Cottle Alar Retractor 10. Lucs 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. CottleMasing Nasal Rasp Coarse 17. WALSHAM SeptumtForcep 18. Thudicum Nasal Speculum 19. Killing Speculum Set of 4 20. Blacksley Nasal Forceps upward 45 degree 21. Watson William Plypus Forceps Serrated 22. Frazier Suction Cannula 23. CottleColumella Forceps 24. Bone Cutting Forceps 25. Heyman Nasal Turbinectomy Scissors
8	<p><u>DirectoLayngoscope set</u></p> <p>The set should have following 01 nos.</p> <ul style="list-style-type: none"> 01. AntriorCommisure Laryngoscope with Fibre Optic Carrier-Small, Medium & Large 02. Negus AntriorCommisure 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> <ul style="list-style-type: none"> 1. Micro LaryngealRound 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 LaryngealRing Straight 8. Micro LaryngealSwab Holder 9. Holder for Micro Laryngeal Instruments 10. Micro Laryngeal Forceps Serrated Jaw 25 cm, 35 cm

	<ol style="list-style-type: none"> 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. LEMPERT 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

(6) Technical Specifications of Difficult Airway Cart

1. It should be mobile, robust, international quality trolley with 3 drawers.
2. It should have a Combination of LMAs, lightwands, transtracheal jet ventilation set up, tube exchangers, emergent percutaneous tracheostomy set up, light source and flexible bronchoscopes.
3. Instruments should be raked in a logical sequence.
4. There should be check list for restocking and log book for daily checking.
5. Laminated DAS intubation guide line should be provided.
6. Top of trolley should contain monitor for flexible fiberscope.
7. There should be one open drawer by the side of trolley opening upside for keeping stellate, bougie, aintree intubation catheter, airway exchange catheter.

Difficult Airway Cart - Advanced

- Should be made of Material: ABS modular surface with silver finish stainless steel plate, portable cart body, corrosion resistance and easy cleaning. Aluminum alloy pillar, features high strength, abrasion resistance and corrosion resistance. Aluminum composite panel for side board and back board.
- Table surface should be installed with silver finish stainless steel three-side fence; stainless steel bar welding, firm and reliable Full-drawer type design should be metal-welded drawer/aluminum-modular drawer, installs three-section noise-free sliding rail, and ABS divider which is convenient for sorted storage of medicine and device
- ABS handle; Self-locking
- Drawer loading capacity should 50KG, overall loading capacity should be 200KG
- Standard Accessories should be : Monitor Shelf, Extension Table, I.V. Pole, Waste Bin (Item D excluded), External Power Holder and Plug Board, Oxygen Tank Holder

Video Bronchoscope Adult set (Paediatric scope: optional, size to be quoted separately)

- Should be fiberless with camera on tip technology.
- Adult Bronchoscope 5-5.5 mm O.D.
- suction channel ≥ 2.0 mm
- Graduated marks
- Length 600-700 cm
- LED illumination
- Display : Should have still/ Video recording facility, min. size 7-10 inch or more
- Battery Backup min 1 hour
- Data to be transferred to computer easily via card/ memory chip.

3.The above scopes can be connected to endoscopic camera to visualize image on monitor.

4. USFDA/CE approved Cold Xenon Light laryngoscope with handle and single universal blade with weight markings should be in the set to be used on adult and pediatric patients.

1. The system should be compact and portable
2. The powerful all-in-one unit should consist of everything needed for endoscopic imaging,
3. Video recording and viewing of saved Videos, the monitor, camera, and light source.
4. It should have USB ports and a SD card slot for documentation purpose.

TABLE TOP

1. Work area for bronchoscopy equipment
2. Tray for laryngoscope blades, sizes 0-4 (straight & curved)
3. ETCO2 Monitor Screen

MIDDLE SELF

1. Video Bronchoscope Screen

DRAWER 1

1. McCoy Laryngoscope with all size blade
2. Mac Doshi Laryngoscope with all size blade
3. Short handle Laryngoscope
4. Airway oral and Nasal all Size
5. Swivel adapter
6. Video Laryngoscope
 - Compact design, instant operation, closed laryngoscope blade, 7" TFT, operational with line voltage and rechargeable lithium battery .
 - Should have Standard handle.
 - Should be supplied with blades of various sizes: 2,3,4 (Reusable)
7. Fiberoptic Intubating Mask
 - Size 1 (1) 30-40-001
 - Size 3 (1) 30-50-333
 - Size 5 (1) 30-40-005
8. Aintree Intubating Catheter
9. Ovassapian Airway (10 Adult and 10 Ped.)
10. Mucosal atomization devices
11. Fiberscope angle connector
12. Nasal sponge
13. 4% Lignocaine
14. 10% Lignocaine
15. Water based Jelly
16. Co-phenylcaine Nasal Spray
17. Magill forceps
 - Pediatric
 - Adult

DRAWER 2

1. Reusable Laryngeal Mask Airway all sizes
2. Tracheal Lightwand, all sizes-- Extra AAA Batteries for Lightwand handle -3sets
3. Classic LMA All size
4. Proseal LMA all size
5. Intubating LMA all sizes,
6. Combitube, all sizes
7. BASKA Mask all size
8. I-Gel All Size
9. IInd Generation LMA All Size
- 10. Laryngeal Tube**
 - Should be made of Silicone
 - Autoclavable Dual Lumen tube with drain tube for suctioning for Gastric content.
 - Single Channel inflation line for both cuffs
 - Sizes: 0,1,2, 2.5, 3,4 and 5
 - Qty 2 Nos. each

11. Intubating Laryngeal Tube

- Should include Introducer, flexometallic intubating tube, drain catheter.
- Should have drain tube of 18CH or more.
- Should be able to introduce tracheal tube through Laryngeal tube.
- Size – Adult, Paed
- Qty – 5 Nos. Each

DRAWER 3

1. Jet Ventilation System

- Should have color coded gauge separately mentioning pressures for Infant, Child & adults.
- Should work on preset pressures with pressure locking safety device to prevent any change of pressures during use.
- Should come in a carrying case with 4m pressure hose.
- Should include Luer Lock connecting tube Length 100cm (5 each)
- Sterile Jet Ventilation Catheter Sizes: 13 G, 14G, 16 G(1each)
- Jet ventilation catheters Emergency Sets sterile packed with syringe. 13, 14,16G (2 each)
- Jet Ventilation catheter (oral) Length30 cm & 40 cm. (2 Each)
- Consumables for future use
- Jet Ventilation Catheter
Sizes: 13G, 14G, 16G (2 Each)

Jet Ventilation Catheters emergency sets

Sizes: 13G, 14G, 16G (2 Each)

Jet Ventilation catheter (oral)

Sizes: 30 cms, 40 cms (2 Each)

Rates of consumables should also be quoted separately which will be fixed for 5 years.

2. Tube Exchanger

- Tip should be blunt, soft and flexible.
- Through – lumen design of catheter with distal side port should ensure adequate air flow.
- Removable Adapter should permits use of ventilatory device if necessary during exchange procedure
- Should include universal connector, Should have graduation marks.
- Should have minimum length of 80 cm.
- Quantity :

Catheter Size	Qty
11 Fr	05 Nos.
14 Fr	05 Nos.
19 Fr	05 Nos.

3. Surgical Cricothyrotomy Set

- Should have Scalpal for a horizontal stab incision through the skin and cricothyroid membrane.
- Should have Tracheal hook for wide radius and blunt tip to decrease the chance of inadvertent injury during traction on the cricoid cartilage.
- Should have 6.0 MM CUFFED TRACHEAL TUBE with moveable flange

- Should have inserted dilator to enlarge the incision, allowing a smooth and atraumatic access to the trachea
- Should have high volume low pressure cuff to protect against aspiration.
- Should come with 5ml syringe to inflate the cuff of the Tracheal Tube.
- Should come with extension tubing to avoid rotation and tension at the connector of the Tracheal Tube.
- Qty : 2 Nos.

4. Emergency Cricothyrotomy Device

- Sterile Set, Preassembled
- Should have needle for prior incision, Stopper protector, catheter needle, cricothyrotomy catheter tubing.

Sizes

4mm (Adult) without cuff

2mm (Ped) without cuff

4mm ID with cuff

Qty

2 Nos.

2 nos.

2 Nos.

5. Retrograde Intubation Set (4 in No)

6. Tracheal tube cuff pressure monitor.- (One)

7. Staged Extubation set

BOQ for Items/Equipments in Indian Currency

Sr. no.	Description
1	e-bid Notice No. RMLIMS/MM(eq)/2019-20/5845 dated 15.02.2020
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 (6th to 10th 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)/2019-20/5845 dated 15.02.2020
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.**