NOT TRANSFERABLE

JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.
(Public Sector Undertaking of the Government of Jammu and Kashmir)
Corporate Head Office: Plot No. 58, Friends Colony Satyam Road Trikuta Nagar Jammu
Corporate Office: Opposite J&K Motor Garage Deptt near Hajj House Bemina Srinagar **Telefax**: 0194-2432008 **email:** jkmsclj@gmail.com; jkmsclepm@gmail.com **website**: www.jkmsclbuslness.com.

JKMSCL

E BID FOR THE PROCUREMENT OF MACHINERY & EQUIPMENT
(PAEDITRICS GMC SRINAGAR)
(REFERENCE NO: NIT/JKMSCL/M&E/2021/468

DATED: 05 -05-2021

LAST DATE OF SUBMISSION OF ONLINE BIDS: 19-06-2021 upto 1600 hrs

BIDDING DOCUMENT FOR PROCUMENT of MACHIUNERY & EQUIPMENTS

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*(**To be submitted on letter head of Firm**)*

Bid Submission Letter
(Declaration Form)

Sub: - Regarding Bid submission for **NIT/JKMSCL/M&E/2021/468** **DATED 05-05-2021**

I/We…..... *(Name, Designation and Address of Bidder)* having our office at…..... *(Address of Firm)* do hereby declare that I/We have read all the terms & conditions of the bid document floated by JKMSCL and agree to abide by all the terms & conditions set forth therein.

I/We declare that we are participating in this bid in the capacity of ……..…..... *(Manufacturer /Direct Importer/ Authorized representative of the original manufacturer)* I/We have enclosed all the requisite documents and are as per the requirement of the NIT.

I/We further declare that the rates offered by us shall remain valid for the period of 24 months extendable for a further period of three months and shall reduce the rates, if the rates are reduced by us for any other buyer during this period within Union of India. I**/We have enclosed the documents as per details given in Annexure I of the NIB and other documents asked in NIT.**

We further undertake to abide by all the terms & conditions of the NIB.

Dated Name and signature of bidder with seal

JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.
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Corporate Head Office: Plot No. 58, Friends Colony Satyam Road Trikuta Nagar Jammu
Corporate Office: Opposite J&K Motor Garage Deptt. near Hajj House Bemina Srinagar **Telefax**: 0194-2432008 **email:** jkmsclj@gmail.com; jkmsclepm@gmail.com **website**: www.jkmscl.nic.in

Tender No. **NIT/JKMSCL/M&E/2021/.468**

Dated: 05.05.2021

NOTICE INVITING TENDER

On Behalf of Jammu & Kashmir Medical Supplies Corporation Limited, e-bid under two cover system (Technical bid in cover 1 and Financial bid in cover-2) is invited for the finalization of Rate Contract for the procurement of "**Machinery & Equipment"** from the Original manufacturers / Direct importers/ Authorized Representatives of the manufacturers/ direct importers. Detailed tender document may be downloaded at J&K Govt. Portal www.jktenders.gov.in, www.jkmsclbusiness.com,. The cost of the tender along with tender processing charges of Rs.10,000/- (Rupees Ten thousand only/-) i.e. Rs.1,000/- (Rupees one thousand only) as cost of tender & Rs.9,000/- (Rupees Nine thousand only) as tender processing charges shall have to be paid either through NEFT in the Corporation's Bank Account No.0373040500000032 maintained at J&K Bank Limited, Branch Medical College Jammu, IFSC Code JAKA0MEDJAM or by depositing the amount directly into the above account No. Payable at Jammu/Srinagar (**IMPS money transfer shall not be entertained**).

i. Scanned copies of Bank transfer/deposit receipt of cost of tender documents and Tender Processing charges in the shape of FDR/CDR shall have to be uploaded along with Technical Bid.
ii. In place of EMD/Bid Security, only Bid security declaration accepting that ***"If the bidders withdraw or modify their bids during the period of validity and if they are awarded the contract and they fail to sign the contract, or to submit performance security before the deadline defined in the request for bids document, they will be suspended for the period of time specified in the request for bid documents from being eligible to submit Bids"***
iii. Physical hard copy of technical bid is not required to be submitted.

Sd/-

Managing Director

Jammu and Kashmir Medical Supplies Corporation Ltd.

JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.
(Public Sector Undertaking of the Government of Jammu and Kashmir)
Corporate Head Office: Plot No. 58, Friends Colony Satyam Road Trikuta Nagar Jammu
Corporate Office: Opp. J&K Motor Garage Deptt near Hajj House Bemina Srinagar
Telefax: 0194-2432008 **email:** jkmsclj@gmail.com; jkmsclepm@gmail.com
website: www.jkmscl.nic.in

BIDDING DOCUMENT FOR

Procurement of Machinery &Equipment

Tender No. **NIT/JKMSCL/M&E/ 468**	**Dated: 05 -05-2021**
Date of publication of e-bid	: 05.05.2021
Start date and time for download of bid document	: 05.05.2021
Last date and time for download of bid document	: 19.06.2021 at 1600 hrs
Clarification start date	: 05.05.2021 at 1100 hrs
Clarification end date	: 25.05.2021 upto 1000 hrs
Pre- bid conference	**: 25.05.2021 AT 11.00 A.M**
	(at Corporate Office, Jammu and Srinagar)
Start date and time for submission of online bids	: 05.05.2021 at 1000 hrs
Last date and time for submission of online bids	: 19.06.2021 at 1600 hrs
Date and time for online opening of technical bids	: 22.06.2021 at 1100 hrs
Cost of tender document	: Rs. 1000/-
Tender Processing charges	: Rs. 9000/-

ADDRESS FOR COMMUNICATION:
Managing Director or General Manager,
J&K Medical Supplies Corporation Ltd,

Address- Plot No. 58, Friends Colony
Satyam Road Trikuta Nagar, Jammu

Bemina Near Haj House- Srinagar (Kashmir)

Note: -

1. The bidder shall have to get themselves updated with the date & time fixed for Pre-bid as per the item list. After pre-bid meeting necessary changes in bid conditions shall be done with the recommendations of panel of technical experts drawn from the intending department after the approval of the competent authority. Bid should be submitted through e-portal www.jktenders.gov.in after pre-bid meeting including all the clarifications/ modifications/ amendments.
2. Corrigendum/addendum shall be the integral part of terms & conditions of bid which shall be duly signed and attached with the bid document by the bidder.
3. The JKMSCL is not bound to accept the lowest bid and may reject any/part thereof or all bids without assigning any reason thereof.
4. The bidders shall have to submit a **GST No. and valid 'GST'** clearance

certificate/returns submitted from the State taxes Officer and the 'PAN' issued by income tax department.

5. It is clarified that the information required in bidding document should be submitted only in enclosed format bidding forms without any change or modification in its formats. Bids submitted with changed or modified annexure/ formats shall be rejected.
6. Information of award of contract shall be communicated to all participating bidders on the website www.jktenders.gov.in. www.jkmsclbuisness.com

Note: -

1. *If any amendment/clarification is carried out in the technical specifications and bid terms & conditions following pre-bid meeting or any other information, the same shall also be uploaded on the websites mentioned above and the bidders shall keep themselves updated by regularly visiting the website/jk portal.*

Important Note :

1. **No representation shall be allowed, accepted and entertained after the Pre-bid meeting. Bidders are requested to submit their queries/clarifications in advance so that the same can be discussed and clarified during the Pre-bid meeting.**

2. **In view of the COVID19 Pandemic, the Pre-bid meeting may be arranged through Google link which shall be uploaded on the e.portal prior to Pre-bid Meeting**

TABLE-1

S.No.	Item code	Name of the item	Average Annual turnover for last 03 years
1.	PAEDS01	Sweat Chloride Analyzer	05 crore
2.	PAEDS02	Volumetric Infusion Pump	05 crore
3.	PAEDS03	Syringe Pump	05 crore
4.	PAEDS04	Infant T-Piece Resuscitator	05 crore
5.	PAEDS05	Neonatal Heat Radiant Warmer (Neonatal Open care system)	05 crore
6.	PAEDS06	O.T. Table Pediatric Surgery	05 crore
7.	PAEDS08	Neonatal Incubator	05 crore
8.	PAEDS09	Patient Remote Monitoring and Notification System	05 crore
9.	PAEDS10	High Frequency Ventilator	05 crore
10.	PAEDS11	Transcutaneous Bilirubinometer	05 crore
11.	PAEDS12	PC Based Spirometer	05 crore
12.	PAEDS13	High Flow Nasal Cannula Therapy Device	05 crore
13.	PAEDS14	Infant weiging scale	05 crore
14.	PAEDS15	Peritoneal Dialysis Unit	05 crore
15.	PAEDS16	ABG Analyzer/Blood Gas Analyzer	05 crore
16.	PAEDS17	Portable BP Machine	05 crore
17.	PAEDS18	Ambulatory Blood Pressure Monitor	05 crore
18.	PAEDS19	Comprehensive Urine Analyzer	05 crore
19.	PAEDS20	ECG Machine	05 crore
20.	PAEDS21	Holter Machine	05 crore
21.	PAEDS22	- Pediatric Video-endoscope with facilities for biopsier with video processor - Peditaric ERCP scope with accessories. - Pediatric Colonoscope	05 crore
22.	PAEDS23	Multichannel Impedance and pH monitoring system	05 crore
23.	PAEDS24	Baloon Gun	05 crore
24.	PAEDS25	High Resolution Video Pediatric Bronchoscopy system	05 crore
25.	PAEDS26	Pediatric Rigid bronchoscope	05 crore
26.	PAEDS27	Pediatric PCNL Set	05 crore
27.	PAEDS28	Pediatric Laparoscopy Set	05 crore
28.	PAEDS29	Patient warming system	05 crore

29.	PAEDS30	Pediatric thermal blanket	05 crore
30.	PAEDS31	Bipolar and Unipolar electrosurgical cautery machine	05 crore
31.	PAEDS32	Neonatal Whole Body Cooling Unit/Neonatal Hypothermia Unit	05 crore
32.	PAEDS33	Bubble C-PAP	05 crore
33.	PAEDS34	Laryngoscope	05 crore
34.	PAEDS35	Elisa Reader E21 (Blood Bank)	05 crore
35.	PAEDS36	Elisa Washer W21	05 crore
36.	PAEDS37	Tube Sealer	05 crore
37.	PAEDS38	Centrifuge	05 crore
38.	PAEDS39	Gel Id Incubator 37SII	05 crore
39.	PAEDS40	Gel Id Centrifuge	05 crore
40.	PAEDS41	Compound Microscope	05 crore
41.	PAEDS45	Vortex Mixer (Shaker)	05 crore
42.	PAEDS46	Elisa reader and washer (Microbiology)	05 crore
43.	PAEDS47	Portable EEG Machine	05 crore
44.	PAEDS48	Automatic Tissue Processor with Integrated Vacuum	05 crore
45.	PAEDS49	Paraffin Embedding Module	05 crore
46.	PAEDS50	Semi-Automatic Rotary Microtome	05 crore
47.	PAEDS52	Hot Plate	05 crore
48.	PAEDS53	Treadmill	05 crore
49.	PAEDS54	IFT (Inferential Therapy Equipment)	05 crore

The Average Annual Turn Over required for the above items pertaining to Group "Procurement of Machinery & Equipment" is mentioned above. Only the bid(s) falling under the category as specified under Annual Turnover is accepted. The bid(s) not falling under the Annual Turnover clause shall be out rightly rejected. Only manufacturer(s) or Importer(s) fulfilling the turnover clause shall be eligible to participate the e.bid.

Note:

1. **The catalogues/brochures of the item shall be submitted along with the demand drafts in separate envelopes, 01 day prior to submission of online bids. The catalogues/brochures pertaining to the equipment information should be signed by the authorized signatory of the manufacturer.**

2. **No minimum quantity is guaranteed and the bidder shall not claim or compensation from the Jammu & Kashmir Medical Supplies Corporation Ltd.**

3. **Unsigned catalogues/brouchers pertaining to the equipment information shall not be considered & the tender for the said firm shall be out-rightly rejected.**

D I S C L A I M E R

The information contained in this bid document for proposed procurement or subsequently provided to the Bidder(s), in documentary or any other form by or on behalf of the Jammu and Kashmir Medical Supplies Corporation ltd. (procuring entity) or any of its employees or advisors, is provided to bidder(s) on the terms and conditions set out in this bid and such other terms and conditions subject to which such information is provided to the bidder.

Whilst the information in this bid has been prepared in good faith and contains general information in respect of the proposed procurement, the bid is not and does not purport to contain all the information which the bidder any require.

Jammu and Kashmir Medical Supplies Corporation Ltd., does not accept any liability or responsibility for the accuracy, reasonableness or completeness of, or for any errors, omissions or misstatements , negligent or otherwise, relating to the proposed procurement, or makes any representation or warranty, express or implied, with respect to the information contained in this bid or on which this bid is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisers and liability therefore is hereby expressly disclaimed.

This document is neither an agreement and nor an offer or invitation by the Jammu and Kashmir Medical Supplies Corporation Limited, (hereinafter referred to as "procuring entity") to the prospective bidders or any other person. The purpose of the bid document is to provide interested parties with information to assist the formulation of their proposal/offer. The information contained in this bid document is selective and is subject to updating expansion, revision, and amendment. Each recipient must conduct its own analysis of the information contained in this bid document or to connect any inaccuracies therein that may be in this bid document and is advised to carry out its own investigation into the proposed procurement, the legislative and regulatory regime which applies thereto and by and all matters pertinent to the proposed procurement and seek its own professional advice on the legal, financial, regulatory and taxation consequences of the entering into any agreement or arrangement relating to the proposed procurement.

This bid document includes certain statements, estimates and targets with respect to the procurement. Such statements, estimates and targets reflect various assumptions made by the procuring entity, (and the base information on which they are made) which may or may not prove to be correct. No representation or warranty is given as to the reasonableness of forecasts or the assumptions on which they may be based and nothing in this bid document is, or should be relied on as, a promise, representation, or warranty. Bid document and the information contained therein is meant only for those applying for this procurement, it may not be copied or distributed by the recipient to third parties, or used as information source by the bidder or any other in any context, other than applying for this proposed procurement.

The procuring entity is, its employees and advisors make no representation or warranty and shall have no liability to any person, including any bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this bid document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the bid document and any assessment, assumption, statement or information contained therein or deemed to form part of this bid document or arising in any way for participation in this bidding process.

The procuring entity also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any bidder upon the statements contained in this bid document.

The procuring entity may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this bid document.

The issue of this bid document does not imply that the procuring entity is bound to select a bidder or to appoint the selected bidder or bidder, as the case may be, for the procurement and the procuring entity reserves the right to reject all or any of the bidders or bids at any point to time without assigning any reason whatsoever.

The bidder shall bear all its costs associated with or relating to the preparation and submission of its bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the procuring entity or any other costs incurred in connection with or relating to its bid. All such costs and expenses shall remain with the bidder and the procuring entity shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a bidder in preparation or submission of the bid, regardless of the conduct or outcome of the bidding process.

Any information/documents including information/ documents pertaining to this bid or subsequently provided to bidder and/or selected bidder and information/documents relating to the bidding process; the disclosure of which is prejudicial and/or detrimental to, or endangers, the implementation of the procurement is not subject to disclosure as public information/documents.

Managing Director
Jammu and Kashmir Medical Supplies Corporation Ltd

Section-I Instruction To Bidders (ITB)

Before uploading bid, kindly go through the following instructions carefully so that your bid may not be considered invalid:

Clause No.	Description
1.	Go through the terms and conditions, annexure and other forms of the document carefully and meticulously & get your digital signatures available for uploading.
2.	Bid form must conform the terms & conditions of the bid documents and **Technical Bid in Cover-'A' & Financial Bid in Cover-'B' to be uploaded on** www.jktenders.gov.in**. The cost of tender, tender processing fee, in case of DD/FDR and catalogues of the quoted items shall be submitted in the office of JKMSCL atleast one day prior to submission of online bids.**
3.	It is expected from all bidders that DD/CDR/FDR/BG in separate envelope shall be deposited with the authorised person of JKMSCL at reception against proper receipt from the concerned.
4.	Correspondences/Complaints lodged to JKMSCL should bear signature, name, I.D proof and mobile number of the complainant. Unauthenticated correspondence/complaints may not be acted upon. If any bidder intends to lodge a complaint or make a suggestion with regards to some bid condition, it shall be done in the Pre-bid conference, in the office of JKMSCL in writing. After the stipulated period as decided by the JKMSCL, no such complaint/ suggestion would normally be considered.
5	Certificates/Licenses/Documents which are required should be complete and updated. The bidder shall submit acceptance of terms and conditions of the tender document as annexure AIII.
6	If there is any query in bid document/uploading process, bidder may contact JKMSCL office at Jammu/Srinagar during working hours i.e 1000 hrs to 1600 hrs on ph. 0191-2580842, 0194-2432008 or e-mail on gmkjkmscl1@gmail.com jkmsclepm@gmail.com / gmjjkmscl@gmail.com

7.	In case a bidder is given any assurance what so ever of being provided with any advantage in JKMSCL by anybody or if a bidder is directly or indirectly threatened of being put to some deliberate disadvantage in the bidding process & in the bidder's subsequent association/ working with JKMSCL, it is requested that the concerned must immediately inform about the same to the Managing Director, JKMSCL/G.M-J(Adm), JKMSCL in writing or through e-mail on gmjjkmscl@gmail.com. It is advised that evidence of such unfair activity of such person, if available, is produced along with the complaint, so that action can be taken against such a person(s) and that their details can be put on the website so that other bidders can be forewarned in this regard.
8	The Bidders shall have to submit a GST No. & GST clearance certificate/return submitted from the concerned commercial taxes officer and the 'PAN' issued by income tax department.
9	It is clarified that the information required in bidding document should be uploaded as per enclosed bidding form without any change or modification in its formats. Bids submitted with changed or modified annexure/ formats shall out rightly be rejected.
10	The declaration of technical bid in respect of responsive/non responsive bidders shall be uploaded on website www.jktenders.gov.in Similarly, information regarding financial bid (L-1) shall also be provided to bidders on above websites. Individual bidders shall not be informed separately.
11	**No firm/bidder/manufacture/importer shall provide/supply any of the product item at the rate contract /approved by JKMSCL to any of the department/NGO/other procuring institute within or outside the State. In case any supply is made in violation to the said condition (or), the supplier/firm shall be liable to be penalised to the tune of 7.5% of order placed/blacklisting for a period not less than five years (or) both as deemed fit, to the competent/Tender Inviting Authority. However, JKMSCL can procure the items for any of the departments within /outside the** Union Territory **of J&K/after charging the administrative expenses.**
12	**The qualified bidders are required to submit the relevant documents and annexure uploaded with their e.bid in original alongwith catalogues at the time of issuance of LOI /execution of agreement before issuance of rate contract.**
13	**The bidder shall not under any circumstances quote "Zero" anywhere in the BOQ.**

14	**<u>Important Instructions to bidders</u>** **The bidders shall have to abide the clauses/restrictions interms of Rule 144 (xi) of the General Financial Rules (GFRs) issued by the Ministry of Finance, Department of Expenditure, Public Procurement Division vide No. F.No.6/18/2019-PDD dated 23.07.2020.** **The bidders are required to submit a certificate/ declaration regarding their compliance with this order. If such certificate given by a bidder whose bid is accepted and is found to be false, it will be a ground for immediate termination & further legal action in accordance with law. Bidders are required to go through the said order & Office Memorandum (s) for the necessary compliance** **Model Certificate for tenders** *"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that this border is not from such a country and is eligible to be considered."* **Model Certificate for Tenders** *"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fullfills all requirements in this regard and is eligible to be considered (where applicable, evidence of valid registration by the competent Authority shall be attached"*

Section-II: Bid Data Sheet (BDS)
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Section-II: Bid Data Sheet (BDS)

Clause No.	Description
1.	**Introduction**
1.1	The Procuring Entity is : Jammu & Kashmir Medical Supplies Corporation Ltd (J&K)
1.2	The expenditure on the subject matter of procurement shall be met by budgetary resources of demanding / indenting officers of the concerned department. The goods and related services to be procured are as per table 1 and *as per technical specifications*
1.3	The rate contract shall be valid for a period of two years which may be extended for a further period of three months.
2.	**Bidding document**
2.1	Bids are invited from manufacturers/direct importers/ authorised representatives of the original manufacturers/direct importers. Joint venture will not be allowed.
2.2	The price of the bidding document Rs. 1000/- as tender fee and Rs. 9000/- as tender processing charges (non-refundable)
2.3	**BID SECURITY:** i. Scanned copies of Bank transfer/deposit receipt of cost of tender documents and Tender Processing charges in the shape of FDR/CDR shall have to be uploaded along with Technical Bid. ii. In place of EMD/Bid Security, only Bid security declaration accepting that ***"If the bidders withdraw or modify their bids during the period of validity and if they are awarded the contract and they fail to sign the contract, or to submit performance security before the deadline defined in the request for bids document, they will be suspended for the period of time specified in the request for bid documents from being eligible to submit Bids"***
2.3	The Pre-bid meeting shall be held at the office of JKMSCL, Jammu and Srinagar as per critical dates.
3.	**Preparation of Bids**
3 .1	The language of the bid shall be in English only **The Bidder shall uploaded as per the documents reflected in the bid submission letter**
3.2	**No rate should be quoted/uploaded along with technical bid in all such cases bid shall be rejected outrightly. Rates are to be uploaded on BOQ only.**
3.3	Alternative bids are not permitted.
3.4	Discounts or award of combination of lots shall not be offered.
3.5	For goods offered from outside India/direct importer, the bidder shall quote prices including all kinds of costs like inland transportation, taxes, installation and commissioning charges up to the consignee site, complete in all respect including consumables kit for demonstration (*if*

	any).
3.6	The terms of quoting price of equipments are inclusive of all taxes/charges with installation and commissioning etc. complete in all respect.
3.7	The prices quoted by the bidder shall be fixed for entire contractual period of equipments. The contract price shall be fixed for a contact period of 24 months of the goods and related services; extendable upto 03 months with mutual consent.
3.8	The currency of the bid shall be multi-currency.
3.9	The bid validity period shall be minimum 180 working days from the opening of technical bid.
3.10	The scanned copy of complete bid document filled and signed on each page as per Instructions to bid (ITB) and other requirements need not to uploaded on website www.jktenders.gov.in. **However, declaration regarding acceptance of all the terms & conditions and other clauses as given in the tender document duly notarised shall have to be uploaded along with technical bid.**
3.12	The authorisation to sign on behalf of the bidder shall consist of power of attorney by the bidder/any valid certification or the change in bidder shall be resolved in the board of firm/ company which shall be immediately communicated to the JKMSCL. No authorised agent/dealer/supplier shall be allowed to make any declaration which is mandatory required to be made by the MD/chairman/Directors/authorised person designated by the manufacturing company/importer.
4.	**Evaluation and comparison of bid**
4.1	The price preference shall apply as per GCC and SCC provisions.
5.	**Award of Contract**
5.1	If the procuring entity does not procure any subject matter of procurements, the bidder shall not be entitled for any claim or compensation. No minimum quantity is guaranteed.
5.2	The period within which the contract agreement is to be executed and performance security is to be submitted is 15 days from the date of receipt of letter of intent (LOI) through email, fax/correspondence etc.
5.3	The performance security shall be required as per **GCC-10** @5 % of the value of the indicative quantity in favour of JKMSCL payable at Jammu/Srinagar.
6.	**Redressal Grievances during Procurement Process**
6.1	I. In case of any dispute, the decision of Managing Director, JKMSCL shall be final and binding. II. If any dispute arise out of the contract with regard to the interpretation, meaning and breach of the terms of the contact, the matter shall be referred by the parties to the Managing Director JKMSCL, J&K who will appoint his senior most officer as the sole arbitrator of the dispute who will not be related to this contract and whose decision shall be final. III. **If any bidder or prospective bidder is aggrieved that any decision, action, omission of the procuring entity is in contradiction to the provisions of the Act/Rules of the guidelines issued there under; he may file an appeal to first**

	& final appellate authority, i.e Financial Commissioner to Govt. Health & Medical Education Department, J&K within 10 days from the date of such decision, action, omission as the case may be, clearly giving the specific ground(s) on which he/she feels aggrieved. Fee for such appeal shall be Rs. 10,000/- (ten thousand only), 50% of which shall be refundable, if the decision is announced in his/her favour. IV. Any legal dispute shall be within the jurisdiction of Hon'ble High Court of Jammu / Srinagar (J&K).
7.2	Name & Address of the Bidder: Name and Designation..... M/S ..... Telephone No..... Telegram Code ..... Fax No..... Mobile No ..... e-mail address .....(email of responsible person be intimated)

SECTION III – QUALIFICATION AND EVALUATION CRITERIA

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Section III: Evaluation and Qualification Criteria

2. Qualification Criteria

The lowest evaluated bidder shall have the necessary qualifications to successfully fulfil its obligation under the contract. Minimum acceptable levels with regards to bidder's experience in supply of goods and related services with comparable technical parameters, its financial capability and other factors are defined.

Clause No.	Description
1.	**Contractual experience:-** The bidder shall be a original manufacturer; direct importer; (or) authorised representative of the original manufacturer/direct importer, who must have manufactured/ imported, supplied and installed such equipments in India satisfactorily. The list of such installations may be asked from the bidder and the bidder should submit self attested copy of purchase order, indent and invoice (inclusive of quantity & rate).
2.	**Technical experience:-** The goods (similar) offered/ being procured by JKMSCL have been produced and sold for at least three years and have been in operation satisfactorily.
3.	**Production capacity :** The JKMSCL may fix the minimum supply and/ or production capacity required to assure that the bidder is capable of supplying the type, size and quantity of goods required. It should be dedicated quantity to JKMSCL on monthly and annual basis. Production capacity certificate be attached with uploaded document.
4.	**Financial position:-** The soundness of the bidders financial position showing long term profitability demonstrated through audited annual financial statement (balance sheet, income statement etc.) for last three years.
5.	**Cash Flow capacity :** The bidder should have sufficient availability of/ access to liquid assets, lines of credit and other finances to meet the possible cash flow requirement which may arise during the execution of the rate contract.
6.	**Litigation history:-** The information regarding all pending claims, arbitration, or other litigation is asked by the JKMSCL
7.	**Tax clearance certificates:-** The GST returns and other tax clearance certificate (latest) or declaration to be submitted by the bidder. Bidders shall have to submit a valid & latest 'GST' clearance certificate/return submitted online as per GST rules alongwith GST No. and the 'PAN' issued by concerned department.
8.	**Declaration regarding qualifications :-** Declaration regarding qualifications of the bidder shall be given in specified format provided in bidding forms.

1. Evaluation Criteria

Claus	Description
1.	**Scope**
1.1	**Local handling and inland transportation:-**The cost for Inland transportation, insurance, related services, installation, commissioning, demonstration and other incidental costs for delivery of goods, or port of entry, or supply point to consignee site, schedule of supply shall be quoted in price schedule.
1.2	**Minor omission and missing items:-** Pursuant to the relevant clauses, the cost of all quantifiable non-material non-conformities or omissions from the contractual and commercial conditions shall be evaluated. The procuring entity will make its own assessment of the cost of any non-material non-conformities and omissions for the purpose of ensuring fare comparison of bids.
2.	**Technical Criteria:-**The minimum technical level that the goods and related services shall have in order to comply with the Section V, schedule of supply are specified. These criteria are evaluated on a pass-fail system, with a minimum acceptable level for each criteria enumerated in technical specifications of item. However, a minor deficiency in technical compliance may not be cause for rejection of the bid.
3.	**Economic Criteria: -** The economic criteria are most important when evaluating a Bid. The price, however, may not be the only criterion, as there could be technical evaluation that may be expressed in mandatory terms *i.e.* cost per test etc. The following may be examples: - 3.1, 3.2....
3.1	**Adjustment for deviations in the delivery and completion schedule: -** The deviation from the delivery and completion schedule specified in Section V, schedule of supply are permitted. No credit will be given for earlier completion.
3.2	**Operation and maintenance cost :** The operation and maintenance costs of equipments are taken into account for bid evaluation purposes. The methodology is elaborated at BOQ for determining lowest bid (L-1) Generally, the life cycle of equipment and its comprehensive maintenance period is defined in technical specifications. Presently, maintenance costs are evaluated at their present value over the life cycle of the goods and then added to the price of the goods for comparison of bids.
3.2	**Spare parts: -** Only those spare parts and tools which are specified on an item wise basis in the list of goods and related services Section V, schedule of supply shall be taken in account in bid evaluation. Supplier recommended spare parts for specified operating requirement shall not be considered in bid evaluation. **The price for evaluating L1 (as per BOQs) shall be decided on the basis of cumulative rates of Main item, Accessories (wherever asked) /Indian items (wherever asked) i.e cost of main item + cost of Accessories = Total cost of equipment.**
3.3	**Performance and productivity of goods:-** The performance and productivity of the equipments shall be as per the reference value or norms specified in technical specification of an item and corresponding value guaranteed by the bidder in its bid.
4.	**Price preference:-**

4.1	The price preference shall be given in evaluation of bids and award of contract as per MSME Policy in vogue.
4.2	**Taxes as** applicable, should be mentioned clearly and separately.

Section IV: Bidding Forms

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Annexure I

(To be submitted on Firms' letter head)

Technical Bid Submission Sheet (Cover 'A')

Managing Director

Jammu & Kashmir Medical Supplies Corporation Ltd.
J&K

We, the undersigned, declare that:

1. I/We ……. ……have examined and have no reservations to the bidding document of NIB No. ..... dated.....including addenda/clarification No.:.....dated ..... We offer to supply in conformity with the bidding document and in accordance with the delivery schedule specified in Section V, schedule of supply, the following goods and related services..... *Name of the item and Guarantee period plus etc.* .....
2. Our bid shall be valid for a period of minimum 180 working days from the date of technical bid opening in accordance with the bidding document, and it shall remain bidding upon us and may be accepted at any time before the expiration of that period. However, validity may also be extended with mutual consent;
3. If our bid is accepted, we commit to submit a performance security in the amount of 5% of the contract price or as specified in bid document for the due performance of the contract;
4. Our firm, including authorised representative for any part of the contract, have nationalities from the eligible countries;
5. I/We are not participating, as bidders, in more than one bid in this bidding process, in the bidding document;
6. Our firm, its affiliates or subsidiaries, including authorised representative has not been debarred by the Union Govt/any State Government or the procuring entity.
7. I/We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
8. I/We agree to permit the JKMSCL to ask any relevant documents. I/We shall be bound to provide the said relevant document within the specified period.
9. My/our quoted items..... *(Name of item)*.....fully comply with the technical specifications as per bid document Section V, schedule of supply.
10. **The bidder shall ensure that the bid document sheet shall be properly filled with particulars, page numbering and tender document should be properly numbered.**
11. I/We certify that I/We have annexed the following documents with particulars & page No. mentioned against each column **:**

S. No	Item	Particular	Attached at (Page No.)
1.	Technical bid submission sheet duly filled	**Annexure I**	
2.	Bid security (as mentioned above)		
3.	Bid / Tender charges (Incl. Tender processing fee)		
4.	Self attested photocopy of IEC certificate of the Importer		
5.	Copy of GST Registration of the Bidder		
6.	Latest GST Returns of the Bidder		
7.	Copy of the PAN Card of the Bidder		

8.	Nature of the Firm/Public Company / Private Company/ Partnership/ Proprietorship/any other with Documentary proof.		
9.	**Authorisation from principal manufacturer / Importer** *(On the letterhead of Principal manufacturer / Sole Importer)* *In case authorization to the bidder is furnished by the Sole Importer/Indian Subsidiary, document confirming authorization from foreign Principal Manufacturer in favour of Indian Subsidiary / Sole Importer is to be submitted.*	**Annexure VI**	
10.	Average Annual Turnover Statement for Last 3 financial Years of the Principal Manufacturer / Indian Subsidiary of Principal Manufacturer/ Sole Importer issued by Chartered Accountant/competent authority with UDIN.	**Annexure VIII**	
11.	Copies of Audited Balance sheet & profit loss account for last three financial years certified by Chartered Accountant or Solvency Certificate issued by the Banker of the Manufacturer / Importer/Indian Subsidiary		
12.	**Affidavit for Latest Non Conviction, non blacklisting on non judicial Stamp paper of Rs 100 furnished by the Principal** Manufacturer / Sole Importer/Indian Subsidiary as per proforma.	**Annexure IV B**	
13.	**Affidavit for Latest Non Conviction, non blacklisting on non judicial Stamp paper of Rs 100 furnished by the Bidder** as per proforma.	**Annexure IV A**	
14.	Client Base in India on Letter Head of the Bidder / Manufacture/Indian Subsidiary of Principal Manufacturer with references of the supply orders, for the last three years **(Copies of reference supply orders needs to be attached)**	**Annexure V**	
15.	Copy of GST Registration of the Manufacturer/Importer/Indian Subsidiary		
16.	Acknowledgement **of EM-II SSI** unit for each quoted Product and a certificate from NSIC/MSME for the production capacity & the quality control measures properly installed at the production unit, If applicable		
17.	**Acknowledgement of EM-II** for SSI Units of J&K from Industries Department (if applicable). Applicable for the firms Registered under SSI Units of J&K		
18.	Quality Certifications on the products viz. ISI/CE/USFDA etc. whichever applicable.		
19.	Name, photograph & specimen signature of the designated officer/ representative of the Bidder who is authorized to make correspondence with the JKMSCL, if any.		
20.	Specify point of supply with full Address. NB: Specifying of point of supply does not means authorization to raise, invoice and receive payments on behalf of bidder(s)		
21.	List of Items quoted by the Bidder mentioning name of manufacturer/ importer, make & model as per annexure.	**Annexure IX**	
22.	Letter of acceptance for terms & conditions		
23.	Copy of Catalogue of the Quoted product (self attested)		

24.	Compliance Sheet for each equipment (self attested)		

I/we understand that our bid shall liable to be declared non responsive in case of any deficiency in fulfilment of above requirements on our part.

I/we accept all the terms, conditions and provisions of this bid document.

Name/Address.....
in the capacity of.....
(Designation)..... Signed.....
duly authorized to sign the bid for and on behalf of.....
(Name of Firm).....
Dated..... Tel:.....Fax:.....e-mail:.....

N.B : The original manufacturer/direct importer of the bidding items/their sole authorised representative shall execute tri-partite agreement with the Corporation i.e JKMSCL, inter-alia, stating that :

i. The invoice submitted by the authorised representative for such supplies shall be endorsed by the original manufacturer/direct importer of bidding items. Original copy of the delivery challan of the manufacturer towards authorised representative for such supplies shall be endorsed along with invoice submitted by Authorised representative.

ii. JKMSCL may secure confirmation/or authenticating of such supplies from manufacturer/direct importer before releasing the payment.

iii. **No original manufacturer/direct importer shall be allowed to authorize more than one representatives to bid, to negotiate/to raise invoice or to receive payments & to enter into tripartite agreement with regard to business against this specific tender**.

iv. In case, original manufacturer/direct importer wish to authorise any representative to bid, to negotiate, to raise invoice to receive payments on behalf of original manufacturer/direct importer/against invoice raised by representative, <u>Annexure AII</u> duly filled shall need to be uploaded alongwith e.bid ; otherwise no representation in this matter shall be entertained in the later stage.

ITEM WISE FINANCIAL BID (BOQ)
For Uploading Rates of Equipment

S. No.	Item Description	Item Code	Unit	Qty	Currency type	Basic Equipment cost for one unit	Packing & forwarding charges/freight insurance charges	Indian Agency Commission for 1 unit in foreign	Custom Duty	SGST	CGST	IGST	Custom clearance in foreign	Total Amount including Taxes
1	2	3	4	5	6	7	8	9	10	11			12	13
	Main item													
	Accessories, if any.													
	Indian items													

Note: -

1. The rate quote should be as per BOQ.
2. CGST , SGST OR IGST should be separately shown.
3. Rate should be quoted only for packing units as mentioned in the bid
4. No quantity or cash discounts should be offered.
5. Read all the terms & conditions before filling the Annexure III.
6. Please quote rates in absolute amount only.
7. Please quote rates per unit only
8. The bidder shall not under any circumstances quoted "Zero" anywhere in the BOQ including.
9. Finalization of the rates shall be made on the basis of price quoted in BOQ
10. Custom duty, if applicable shall be indicated separately.
11. The final rates quoted at Column No. 19 shall be considered as final rates and shall be considered for evaluating financial bid. L1 rate shall be finalised on the basis rate and taxes as applicable at the time of execution.
12. **The price for evaluating L1 (as per BOQs) shall be decided on the basis of cumulative rates of Main item, Accessories (wherever asked) i.e cost of main item + cost of Accessories+ Indian items = Total cost of equipment.**

13. **The price of the optional item shall not be considered for evaluating/declaring L1.**

The bidder may quote in foreign currency as per the BOQ uploaded in the e.portal on the following terms & conditions

(**<u>For Imported equipment)</u>**

Letter of credit would be opened subject to following additional conditions :

1. At site LC would be opened.
2. In case of supply through sea, LLOYD A level vessel would be used for shipment of supplies which should not be more than 15 years old.
3. Supplies shall be insured vide comprehensive Insurance Policy including machine insurance by the OEM till the final delivery site shall also include "Force Majeure".

4. Pre-dispatch inspection shall be carried out by OEM by certified inspection agency before shipment of supply.
5. ***The CIF (cost insurance freight)/CIP (cost insurance price) upto New Delhi, should be in Foreign Currency, payable by the Principal company in that currency only as per the mode of L.C stipulations. The CIF prices shall be borne by the firm upto site.***
6. ***The custom duty shall be paid as actual on the production of documentary proof. No Custom duty exemption certificate shall be issued by JKMSCL to facilitate custom clearance on the concessional rates.***
7. ***CIF price of optional accessories, if any, Percentage of Indian direct Importer/authorized representative's percentage (Indian agency commission), if any, on FOB (Freight on board) Price which shall be payable to the Indian direct Importer (Indian Agency) in Indian currency at the exchange rate as mentioned below. However local accessories, if quoted in Indian currency, GST shall be paid as admissible under rules.***
8. ***The prices quoted should be as per the international price of the manufacturer applicable to all the countries including India.***
9. ***The L1 shall be calculated on the basis of conversion of currency as on date of opening of financial bid.***

PLEASE DON'T WRITE 00 AGAINST THE ITEMS FOR WHICH YOU DIDN'T WISH TO QUOUTE ; INSTEAD, LEAVE THE COLUMN BLANK" AGAINST THE SAID ITEM; AS THE SYSTEM TAKES RS. 00.00 AS L1.

Annexure IV A

Declaration and Undertaking by the Bidder

(On Non Judicial Stamp Paper worth Rs. 100/- Attested by Notary Public and submitted with Cover-'A')

1. I/We..... (Name of firm) certify that the quoted model (of quoted item) is of latest technology and is not outdated.
2. I/We certify that the rates (of quoted item) are reasonable and not sold on lower rates to anyone than charged from JKMSCL.
3. I/We do hereby accept condition of guarantee period with spare parts of each quoted equipment as per terms & conditions and/or technical specifications. (From the date of installation/ demonstration).
4. (a) I/We do hereby undertake that our company/firm has not been black listed/banned/debarred/Convicted by Union Govt. or any State Govt. or their subordinate departments from participation in bidding.

   (b) I/We do hereby declare that our company/firm has been black listed/banned/debarred/convicted by..... (Name, Address of Govt./dept./State) and detailed information is as given below:
   - (i) Cause of blacklisting/banning/debarring/conviction.
   - (ii) For which item.....
   - (iii) Period of black listing/banning/debarring/ conviction.
   - (iv) Latest Status of black listing/banning/debarring/ conviction.

4. I/We hereby confirm that we have deposited all the GST/all applicable taxes as on date of submission of tender with the concerned authority/department. No GST/other taxes is due on the firm as on date of submission of tender.
5. I/we do hereby agree to the condition that JKMSCL may, if deemed fit go for the third party maintenance under Comprehensive equipment maintenance programme of Govt. of India.

VERIFICATION & DECLARATION

I/we……S/o…..……age d……..years residing at .....…… authorized bidder/proprietor/ partner/director of firm M/s…….. verify and confirm that the contents of bidding documents , its bidding forms, Annexures and other information submitted for bid no. ..... are true and correct to the best of my knowledge and nothing has been concealed therein.

In case, any variation/discrepancy/wrong declaration is found during scrutiny at later stages, I/We shall be held personally responsible & JKMSCL may take any action including blacklisting/debarring of my/our firm for a period not less than 05 years

Place :-
Dated:-

Signature of the Deponent
Name :
Designation

Annexure IV B

Declaration of Manufacturer/Direct Importer/Indian Subsidiary

To be submitted on non judicial stamp paper of Rs. 100 duly notarised

Date:_____ NIB No.:____

I/We a legally constituted firm/body..... *(Name of Firm/Company with address)* and represented by Mr..... (*Name of Bidder/Sole proprietor/ CMD/ Chairman)* declare that I am/we are ..... (manufacturers/direct importer) in the goods and related services for which I/we have bid.

I/we further declare that:-

1. The items **(as per Annexure IX)** (*Name of item)* is/ are ..... (manufactured/imported) at our premises at ..... *(Address of factory & office)*.
2. I/We..... (Name of firm) certify that the quoted model (of quoted item) is of latest technology and is not outdated.
3. I/We do hereby accept condition of guarantee period with spare parts of each quoted item as per terms & conditions or technical specifications. (From the date of installation/ demonstration).
    a. Our company/firm has not been black listed/ banned/ debarred/convicted by Union Govt. or any State Govt. or their subordinate departments from participation in bidding.
    b. Our company/firm has been black listed/banned/debarred/ convicted by ..... (Name, Address of Govt./dept./State) and detailed information is as given below:
        (i) Cause of black listing/banning/debarring/ conviction.
        (ii) For which item.....
        (iii) Period of black listing/banning/debarring/ conviction.
        (iv) Latest Status of black listing/banning/debarring/ conviction.
4. I/We hereby confirm that we have deposited all the GST/all applicable taxes upto the date of submission of tenders with the concerned authority/department. No GST/other taxes is due on the firm as on date.
5. We undertake that in case of change of dealership, we shall be responsible for providing preventive services and maintenance of the equipment free of cost during the warranty period.
6. We fully qualify the laid down terms & conditions of the NIB including Turnover class.

VERIFICATION & DECLARATION

I/we……S/o……..……aged…… years residing at .....…… authorized bidder/proprietor/ partner/director of firm M/s…….. verify and confirm that the contents of bidding documents , its bidding forms Annexure I to Annexure VIII and other information submitted for bid no. ..... are true and correct to the best of my knowledge and nothing has been concealed therein.

In case, any variation/discrepancy/wrong declaration is found during scrutiny at later stages, I/We shall be held personally responsible & JKMSCL may take any action including blacklisting/debarring of my/our firm for a period not less than 05 years

Place :-
Dated:-

Signature of the Deponent
Name :
Designation

Annexure V

Client Base In India (Item wise)

On letter Head of Bidder / Manufacture/Indian Subsidiary of Principal Manufacturer

I/We..... *(Name of firm.....)* do hereby certify that our client base in India for the offered equipments are as under (please give references of the supply orders, for the last three years).:-

Item Code	Name of the Item	Client list	Reference to supply order

1. It shall be submitted with technical bid and the above information should be verifiable from relevant documents of the bidder.
2. Firm should have market standing of the quoted product in last three financial years.
3. The different variants of same equipment may be considered.
4. In case of supply of imported item(s), the suppliers may be asked to furnish a certificate and other information to the effect that the firm has completed all the formalities including bill of entries in custom in connection with import of the item in question.

Place :
Dated :

Signature of bidder with Seal.

Annexure VI

AUTHORISATION from principal manufacturer/importer/Indian Subsidiary

(On the letterhead of Principal manufacturer / Sole Importer/Indian Subsidiary)
In case authorization to the bidder is furnished by the Sole Importer/Indian Subsidiary, document confirming authorization from foreign Principal Manufacturer in favour of Indian Subsidiary / Sole Importer is to be submitted.

The Managing Director
Jammu and Kashmir Medical Supplies Corporation Limited
J&K

Subject: Regarding authorisation for our products.
Ref.: Your NIB no. .....dated.....

Name of items.....

Dear Sirs,

I/we.....(Name) for M/S.....*(Name of firm)* who are proven and reputable manufacturers .....*(Name of item)* having factory at ..... *(Address of Factory and Office)* hereby authorize M/S..... *(Name of Bidder firm)* to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred bid documents/NIB for the above goods manufactured / imported 2by us.

I/we further confirm that no supplier or firm or individual other than M/S..... *(Name of bidder firm),* is authorised to submit a Bid, process the same further and enter into a contract with you against your requirement as contained in the above referred bid documents for the above goods manufactured by us.

I/we also hereby extend our full guarantee, as applicable as per bid conditions of contract, read with modifications/addendum, if any, in the general/special conditions of contract for the goods and services offered for supply by the above firm against this bid document.

I/we also hereby confirm that we shall also be responsible for the satisfactory execution of contract placed on the authorized Firm. In case of default of authorised representative (or) otherwise, we shall also be responsible for the satisfactory execution of contract placed on the authorized Firm & penalty, if any, for non-execution of contract by the authorised representative shall be borne by us.

This authorization shall be valid till the completion of rate contract period and related services i.e. guarantee and comprehensive maintenance obligations, etc., whichever is later.

Yours faithfully,

(Name & Signature)..... *verification and signature by bidder*
For M/s ..... Seal and address of bidder
AUTHORISED SIGNATORY

Accepted by the authorized Bidder Mr.....
(Signature, Name & Address).....

(On Firm's letter head)

Memorandum of Appeal

Appeal no..... of..... Before the.....
(appellate authority)

1. Particulars of appellant:
   (i) Name of the appellant:
   (ii) Official address, if any:
   (iii) Residential address:

2. Name and address of the respondent(s):
   (i)
   (ii)
   (iii)

3. Number and date of the order appealed against and name and designation of the officer/ authority that passed the order (enclose copy), or a statement of a decision, action or omission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Ground of appeal:
   .....
   .....
   ..... (supported by an affidavit)

7. Prayer:.....
   ....
   .....

Demand Draft of Rs..... ...bearing No. .....dated ..... as appeal fees

Place .....
Dated .....

Appellant's signature

Annexure VIII

((On letter head of Chartered *Accountant))*

ANNUAL TURN OVER STATEMENT

The average annual turnover of M/S..... *(Name of Firm)*..... and address

..... for the past three years are given below and certified that the statement is true and correct:-

It is further certified that the Annual Turnover Statement has been prepared strictly as per returns filed with Taxation Department for the year 1st year, 2nd year & 3rd year and shall be responsible, if any variation/discrepancy is found during evaluation /later stage.

Sl. No.	Financial Years	Turnover in Lakhs (Rs.)
1.	1st year -	
2.	2nd year -	
3.	3rd year -	
	Total -	_____Lakhs

Average gross annual turnover _____Lakhs

Note :

1. To be prepared strictly as per returns filed with Taxation Department & the stamen should be supported with returns filed for the last three financial years.
2. The turnover should be supported by the balance sheets of the respective years.
3. The Certificate issued by Taxation Department shall also be considered for turn over certification.
4. **The Average Annul Turn Over required for the item(s) pertaining to the Group "Procurement of Machinery & Equipment" is as per Table 1. Only the bid(s) falling under the category as specified under Annual Turnover is accepted. The bid(s) not falling under the Annual Turnover clause shall be out rightly rejected.**

Date Signature of the bidder Signature of Auditor/Seal
Chartered Accountant
(Name & Address.)
Tel. No.
UDIN NO.

(**Annexure IX)**

On Firm's letter head

LIST OF ITEMS QUOTED IN THE BID

S. No.	Tender Sr. No.	Code	Name of Item	Manufactured By	Imported by	Model quoted/ offered configuration	**Quality Certification**			
							BIS License	ISO	CE/	USFDA

Section V: Schedule of Supply

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Section V: Schedule of Supply

Clause No.	Description
1	**List of goods and related services**
1.1	Name of item.....
1.2	Related services are delivery, local transportation, installation, commissioning, demonstration and training etc.
1.3	Guarantee period starts from the date of successful installation for a period of five years.
1.4	Comprehensive maintenance contract shall be executed for a period of five years from the date of completion of guarantee period. However, JKMSCL may, if deemed fit, enter into third party agreement under comprehensive equipment maintenance programme, Govt. of India.
2	**Delivery and completion schedule**
2.1	**SUPPLY ORDERS AND SUPPLY SCHEDULE:**
2.1.1	Supply order shall be placed through registered post/e-mail/any communication medium by the JKMSCL. The date of receipt of e mail/fax/other communication shall be treated as the date of order for calculating the period of execution of order. The successful bidder shall execute the orders within a delivery period of 60 days or as specified in the supply order from the date of issuing supply order and handing over of space with the availability of power & other requisite installations by the end users.
2.1.2	In case of imported items, 30 days will be given in addition to above mentioned period, as mentioned in condition No. 2.1.1 above.
2.1.3	The successful bidder shall acknowledge the receipt of orders, if any, within 7 days from the date of dispatch of order, failing which the procuring entity may be at liberty to initiate action to purchase the items on risk & cost purchase provision. However finalization of annual Rate contract does not mean mandatory issuance of supply order. Supply order shall be as per the requirements of items at various end-users.
2.1.4	The Site of delivery shall be Drug ware House of JKMSCL or as per the requirement of the Department . The bidders can visit the site after seeking permission from the competent authority before quoting their rates.
2.1.5	To ensure sustained supply without any interruption, the JKMSCL reserves the right to have more than one approved supplier from amongst the qualified bidders on L1 matched rates only. In such a case, the requirement may be met by dividing be quantity among the R/C holders considering the quantity required and dedicated capacity of the successful bidders.
2.1.6	The ready stock position of the item, if provided by the firm, may be considered by the corporation for the placement of supply orders.
2.1.7	It may be noted that the JKMSCL does not undertake to assist in the procurement of raw material, whether imported or controlled or restricted, and as such the bidders must offer their rates to supply the

	specific items from own quota of raw material stock by visualizing the prospect of availability and requirement. Any of the above points if taken, as argument for non-supply/delayed supply will not be entertained.
2.1.8	The figures indicated, if any, do not constitute any commitment on the part of JKMSCL to purchase any of the articles and the quantities shown therein against each or in any quantity whatsoever and no objection against the quantity of the indent of approved item being more or less than the indicative quantity will be entertained and shall not be acceptable as a ground for non supply of the quantity indented.
2.2	**PROCURING ENTITY'S RIGHT TO VARY QUANTITY:**
2.2.1	If the JKMSCL procures less than the quantity indicated in the bidding documents (if asked) the bidder shall not be entitled for any claim or compensation except otherwise provided in the conditions of contract.
2.2.2	If the bidder fails to supply, the JKMSCL shall be free to arrange / procure the item(s) from other sources and the extra cost incurred shall be recovered from the supplier.
2.3	**SUBMISSION OF CONTRACT COMPLETION REPORT**
2.3.1.	A consolidated statement shall be submitted to General Manager, EPM by the 10th of each month. Every time the statement should contain details of all orders placed under the contract.
2.3.2	Firms shall have to submit consolidated statement in duplicate at the end of rate contract as well as after expiry of equipment / instrument guarantee period (as provided in guarantee clause of the contract) to enable the corporation to examine the case for refund of performance security.
2.3.3	The consignee shall intimate the contract /supplier about the defect (s) at once in such a manner, so as to reach the office of the firm immediately and before completion of guarantee period. It shall be the responsibility of the consignee to get the complaint of guarantee period. It shall be the responsibility of the consignee to get the complaint of defective equipment of defective performance registered immediately with the office of JKMSCL.
2.5	**PACKING & INSURANCE:**
2.5.1	The good shall be delivered at the destination in perfect condition. The firm if so desires may insure valuable goods against loss by theft, destruction or damages by fire, flood, under exposure to weather of otherwise in any situation. The insurance charges will have to be borne by the supplier and the corporation shall not be required to pay any such charges, if incurred.
2.5.2	The firm shall be responsible for the proper packing so as to avoid damages under normal conditions of transport by sea, rail, road or air and delivery of material in good condition to the procurement officer's store. In the event of any loss, damage, breakage or leakage or any shortage the firm shall be liable to make good such loss and shortage found at destination after the checking/inspection of

	material by the consignee. No extra cost on such account shall be admissible. The firm may keep its representative to verify any damage or loss discovered at the consignee's store, if it so likes.
2.5.3	The material received with damaged packing (or) without packing as per terms & conditions of NIT (or) in damaged state, shall be liable to the minimum penalty of 2.5% of the value of the damaged item (or) quantity received with damaged packing. Further packing, cases, containers and other allied material if any shall be supplied free, except where otherwise specified by the firm(s) and agreed by the corporation and the same shall not be returned to him.
2.5.4.	**Packing specifications** Schedule for packing – General specifications 1. All items should be packed only in first hand boxes only. 2. Label: Every box should carry a large outer label clearly indicated that the product is for **"JKMSCL Supply" for the year, "Not for Sale "** and it should carry the correct technical name, strength or the product, date of manufacturing, date of expiry, quantity packed and net weight of the box in bold letters. **Note: The weight/size of the box for packing the item may vary for the safe delivery/installation of equipment. Any deviation in the packing, if necessary shall be made after getting permission from JKMSCL.**
2.6	**REJECTION OF GOODS:**
2.6.1	Articles not as per specification/ or not approved shall be rejected by the corporation / consignee and will have to be replaced by the supplier firm at its own cost within 15 days or with time limit fixed by the corporation.
2.6.2	All the stores supplied shall be of the best quality and conforming to the specification, trademark laid down in the schedule attached to agreement and in strict accordance with and equal to the approved, standard/specifications/ samples. In case of any material of which there are no standards or approved samples, the supply shall be of the best quality to be substantiated by documents/specifications. The decision of JKMSCL as to the quality of stores is final and binding upon the bidder. In case any of the articles supplied are not found as per specification or declared sub-standard, that shall be liable to be rejected and any expenses of loss caused to the supplier as a result of rejection of supplies shall be entirely at his account.
2.6.3	The rejected item must be removed by the firm, within 15 days of the date of intimation of rejection. The officials concerned shall take reasonable care of such material upto 15 days from the date of intimation only but in no case shall be responsible for any loss, damage, shortage that may occur while it is in their premises. In case firm fails to remove the items within fifteen days, JKMSCL shall have full right to get the said item(s) removed & destroyed at the cost & risk of supplier/bidder, without any further correspondence. The destroying charges as per the actual plus 1% penalty shall be deducted from any amount payable to the firm.

2.6.4	No payment shall be made for defective/incorrect items.
2.6.5	In case firm wants to take back item to their service station for rectification then firm has to deposit payment received against such defective supplies. In case supplier has not received any payment then material be returned to supplier firm for rectification. In no case the defective equipment is allowed to be installed after rectification.
2.6.7	The bidder shall be responsible for the proper packing and delivery of the material to the consignee. In the event of any loss, damage, or breakage, leakage or shortage in transit, the bidder shall be responsible. No extra cost on such account shall be admissible.
2.7	**Payment Terms (For items quoted in foreign currency)**
2.7.1	**For Payment through Letter of Credit** 80% payment shall be released against presentation of shipping documents against submission of bank guarantee and 20% after satisfactory installation certificate issued by the user department. **Letter of credit would be opened subject to following additional conditions**:- 1. At site LC would be opened. 2. In case of supply through sea, LLOYD A level vessel would be used for shipment of supplies which should not be more than 15 years old. 3. Supplies shall be insured by the OEM till the final delivery site shall also include "Force Majeure" 4. Pre-dispatch inspection shall be carried out by OEM by certified inspection agency before shipment of supply. 5. ***The product shall be comprehensively insured upto site of installation for all type of insurance.*** **For Indian items :** Payment shall be made after successful installation and commissioning of the equipment duly certified by Head of the concerned department.
2.7.2	Payment shall be made by RTGS. Expenses on this account, if any, shall be borne by the firm.
2.7.3	Payment to the authorised representative shall be made as per the tripartite agreement with the Corporation i.e JKMSCL on the basis of Annexure AII to be uploaded alongwith e.bid.
2.7.4	No advance payments towards cost of items shall be made to the bidder.
2.7.5	If at any time during the period of contract, the price of bid items is reduced or brought down by any law or Act of the Central or State Government or by the bidder himself, the bidder shall be bound to inform Managing Director JKMSCL immediately about it. Purchasing authority shall be empowered to unilaterally effect such reduction as is necessary in rates in case the bidder fails to notify or fails to agree for such reduction of rates. In case this reduction of rates comes to the knowledge of JKMSCL in later stage, additional payment made w.e.f of the details of rates shall be charged from the firm with 1.5% monthly interest from the date/till rates have been reduced besides action as

	desired fit by JKMSCL which may be debarring/any other penalty as per penalty clause.
2.7.6	In case of any enhancement in taxes/duty due to notification of the Government after the date of submission of bids and during the bid period, the quantum of additional taxes/duty so levied shall be allowed to be charged extra as a separate item without any change in the basic price structure of the items approved under the bid. For claiming the additional cost on account of the increase in tax/ duty, the bidder should produce a letter from the concerned authorities for having paid additional tax/duty on the goods supplied to ordering authority and also must claim the same in the invoice separately. Similarly if there is any reduction in the rate of taxes/duty of items, as notified by the Government, after the date of submission of bid, the quantum of the price to the extent of reduction of taxes/duty of items will be deducted without any change in the basic price structure of the items approved under the bidder.
2.7.7	In case of successful bidder has been enjoying exemption on any criteria, such bidder will not be allowed to claim taxes/duty at later point of time during the tenure of contract, if the taxes/ duty become chargeable on goods manufactured due to any reason.
2.7.8	If there is any hindrance by the consignee to provide the required site for installation the part payment of equipment shall be made / decided by JKMSCL. In that case, the firm has to inform JKMSCL immediately.
2.8	**LIQUIDATED DAMAGES:**
2.8.1	The time specified for delivery in the bid form shall be deemed to be the essence of the contract a nd the successful bidder shall arrange supplies within the period on receipt of order from the purchasing officers.
2.8.2	In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at the rate of 0.25% per day for every day of delay subject to maximum of 10%. **Rest of the terms and conditions of SPP with regard to penalty clause shall remained unchanged** Penalty shall not be imposed if claim with regard to any supply i.e. Drugs/Equipment is complete in all respects i.e. QC verification/Board verified etc. is not cleared by the JKMSCL within a period of 60 days
2.8.3	If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrances, he shall apply in writing to Managing Director JKMSCL, J&K, for the same immediately on occurrence of the hindrances but not after the stipulated date of completion of supply. The firms shall ensure extension of delivery period for delayed supplies. The payment shall only be released by corporation after sanction of extension in delivery period.
2.8.4	Delivery period may be extended with or without liquidated damages. If the delay in the supply of goods is on account of force majeure i.e., which is beyond the control of the bidder, the extension in delivery period may be granted without liquidated damage.
2.8.5	If the bidder is unable to complete the supply within the specified or

	extended period, the corporation shall be entitled to purchase the goods or any part thereof from elsewhere without notice to the bidder on his (i.e., bidders) account at his cost and risk, with the prior approval of Managing Director JKMSCL, J&K. The bidder shall be liable to pay any loss or damage which the purchasing officer may sustain by reasons of such failure on the part of the bidder. The bidder shall not be entitled to any gain on such purchases made against default. The recovery of such loss or damage shall be made from any sums accruing to the bidder under this or any other contract with the corporation/government. If recovery is not possible from the bill and the bidder fails to pay the loss or damage within one month of the demand, the recovery of such amount or sum due from the bidder shall be made from the bidder. In case supplier fails to deliver ordered goods, the risk purchases may be made at market rate from any other firm. It is mandatory for the approved supplier to acknowledge receipt of orders within seven days from the date of dispatch of order, failing which the procuring entity will be at liberty to initiate action to purchase the items on risk purchase provision at the expiry of the prescribed supply period.
2.8.6	LD for damaged packing or loose packing equivalent to 2.5% of the value of the products received with damaged packing or in loose packing or with packing not conforming to the terms and conditions, specified in the tender document.
2.9	**RECOVERIES:-**
2.9.1	Recoveries of liquidated damages, short supplies, breakage, rejected articles shall ordinarily be made from bills. Such amount may also be recovered from any other untied dues & security deposits available with the JKMSCL. In case recovery is not possible, action will be taken as per prevailing Acts/rules in J&K State.
2.9.2	Any recovery on account of liquidated damage charges/risk & cost charges in respect of previous rate contracts/supply orders placed on them by the JKMSCL can also be recovered from any sum accrued against this bid after accounting for untied sum or due payment lying with JKMSCL against previous rate contracts/supply orders. Firm shall submit details of pending amount lying with JKMSCL but decision of Managing Director JKMSCL, J&K regarding authenticity of sum payable shall be final.
2.9.3	**Testing & Handling Charges : the testing and handling charges to the tune of 1.5% of total cost shall be deducted from the invoices raised by the approved bidder against the supply orders placed from time to time.**

3. Technical Specifications:

Annexure: AVI (technical specifications attached for Table I)

General features:

i. **Bidders are requested to send printed descriptive literature/catalogue of the quoted items duly sealed by MD/Chairman/authorised signatory of the firm/bidder in the office of Jammu and Kashmir Medical Supplies Corporation Ltd. one day prior to last day of uploading of the bid. The catalogues alongwith compliance sheets should also be uploaded with the technical bid.**

ii. If bidder supplied to or have rate contract of quoted items with any other Govt. institutions within one year, he may be asked to provide copies of purchase orders, invoices and rate contract.

4) .Drawings if any to be attached with the technical bid.

5. Inspection and Tests

Clause No.	Description
5.1	**INSPECTION OF EQUIPMENTS AND INSTRUMENTS:-**
5.2	The equipments supplies shall be according to technical specifications and shall be inspected by the committee constituted by JKMSCL as mentioned in the supply order or amended thereafter by competent authority. In case of BIS Items, inspection shall be strictly as per relevant BIS specifications with latest amendments and have been made applicable by B.I.S. at the time of inspection. The inspection and testing of the material may be got done by any inspecting Agency/team of experts at site of installation/commissioning. The supplier shall provide all facilities for inspection/testing free of cost.
5.3	Notwithstanding the fact that the authorized inspecting team had inspected and/or has approved the stores/articles, any officer(s)/team of officer nominated by the corporation may inspect the item/material as soon as it is received in the stores to ensure that the supply is in accordance with the specifications laid down in rate contract/supply order.
5.4	In case of doubts in inspection/ test, same may be got inspected or tested in any laboratory. If the material is not found as per specifications or defective, consignee shall not accept the material and shall inform the corporation within 3 days. Consignee may also simultaneously ask the firm for removal of defect/replacement. The firm shall be bound to replace the defective equipment/item within 15 days of receipt of intimation from the consignee/corporation. However, the date of delivery, in case of defective item shall be taken as the date on which the JKMSCL accepts the item after replacement of defective material/removal of defects as the case may be. Wherever defective item is replaced, the inspection/testing charges, if any, shall be borne by the supplier.
5.5	The corporation/technical expert or team shall match the specification with available reserved sample with the corporation which is submitted by the firm/supplier at the time of technical approval before release to end user. .
5.6	In case of imported item, the supplier shall ensure that the item shall be inspected by the third party inspection agency before dispatched to the consignee. In case any un- inspected item has been found in the item received by consignee, the firm shall be solely responsible for it and the JKMSCL shall be free to take suitable necessary action as per terms and conditions of bid documents/agreement against the firm.

Section VI A: - General Conditions of Contract (GCC)

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SECTION VI A: - GENERAL CONDITIONS OF CONTRACT (GCC)

Bidder should read these terms & conditions carefully and comply strictly while submitting their bids. If a bidder has any doubt regarding the terms & conditions and specifications mentioned in the bid notice/ catalogue, he should refer these to the Jammu and Kashmir Medical Supplies Corporation, J&K, before submitting bids and obtains clarifications. The decision of the Managing Director Jammu and Kashmir Medical Supplies Corporation, J&K, shall be final and binding on the bidder. The clauses of terms & conditions are as follows:-

Clause No.	Description
1.	**Definitions**
	The following words and expressions shall have the meanings hereby assigned to them: **'Act/Rules'** means Acts & rules prevailing in J&K Union Territory in terms of procurement. **'Completion'** Means the fulfilment of the supplies and Related Services by the supplier in accordance with the terms and conditions set forth in the contract. **"Contract"** Means the Agreement entered into between the procuring entity and supplier, together with the contract documents referred to therein, including all attachments, appendices, specifications and codes and all documents incorporated by reference therein. **"Contract Documents"** Means the documents listed in the agreement, including any amendments thereto. **"Contract Price/Rate"** Means the price payable to the supplier as specified in the agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the contract. **"Day"** Means calendar day. **"Delivery"** Means the transfer of the goods from the supplier to the procuring entity in accordance with the terms and conditions set forth in the contract. **"GCC"** Means the general conditions of rate contract. **"SCC'** Means the special conditions of rate contract". **"Goods"** Means all of the commodities, raw material, machinery and equipment, documents, warrantees and /or other materials that the supplier is required to supply to the Procuring Entity under the Contract. **"Procuring Entity"** Means the entity purchasing the goods and related services, Managing Director Jammu and Kashmir Medical Supplies Corporation, J&K, or as specified in the special conditions of the contract (SCC). **"Related Services"** Means the services incidental to the supply of the goods, such insurance, installation, training and initial maintenance, commissioning of equipment or machinery and other similar obligations of the supplier under the contract. **"Subcontractor"** Means any natural person, private or government entity, or a combination of the above,

	including its legal successors or permitted assigns, to whom any part of the goods to be supplied is subcontracted by the supplier. **"Supplier"** Means the natural person, private or government entity, or a combination of the above, whose bid to perform the contract has been accepted by the procuring entity and is named as such in the agreement, and includes the legal successors or permitted assigns of the supplier. **Authorised representative :** Means the natural person, proprietor or Govt entity, duly authorised by the Managing Director/Prop/Chairman/Board of Director of original manufacturer/direct importer under their seal signatures duly notarized ; to bid, negotiate, raise the invoice, receive the payment against the supplies made, enter into tripartite agreement within the Corporation i.e JKMSCL, inter-alia. **Authorised signatory :** Means the natural person authorised by the proprietor, Managing Director/Chairman/Board of Director of original manufacturer/direct importer under their seal signatures duly notarized to sign on behalf of the company. **"The Site"** where applicable, means the place of delivery, installation, testing/ commissioning of the goods /equipment or machinery or as mentioned in the supply order. **"Consignee"** Means the receiver of the stores as mentioned in supply order.
2.	**General terms**
2.1	Bids are invited from original manufacturers /direct importers/authorized representative of the original manufacturer/direct importer.
2.2	Bid shall have to uploaded as per schedule, to JK e-portal : www.jktenders.gov.in. At any time prior to the date of uploading of bid, bid inviting authority may, for any reason, whether on his own initiative or in response to a clarification requested by a prospective bidder, modify the condition in bid document by an amendment. In order to provide reasonable time to take the amendment into account in preparing their bid, bid inviting authority may at his discretion, extend the date and time for submission of bid. Interested eligible bidders may obtain further information in this regard from the office of the bid inviting authority.
2.3	Supplies shall be made directly by the bidder to be called as "Supplier" after finalization of rate contract, and suppliers. Manufacturer bidder should have permission to manufacture the item quoted as per specification given in the bid from the competent authority.
2.4.1	Direct importer should authenticate import/sale license for the product quoted in the bid issued by the competent authority.
2.4.2	In case, the item/product is supplied through authorised representative, product manufacturing permission, import/sale license of the principal manufacturer (s) direct importer (s) shall have to be uploaded along with technical bid.
2.5	Bid shall be have to be loaded on e-portal i.e www.jktenders.gov.in submitted to Managing Director, Jammu and Kashmir Medical Supplies Corporation, J&K

2.6	The bidder shall also submit the following documents and certificates along with the bid as per technical bid submission letter :- **(i)** A combined undertaking/declaration regarding that the quoted item : a. Model is of latest technology, the item has not become outdated, that the rate quoted is not more than the rate charged from anyone else, b. That the bidder is not black listed or banned or debarred by central or any state government or its append gages, c. Availability of spare parts and consumables for the quoted equipment for at least 10 years/life of the item, from the date of installation. Note : Bid should not be submitted for the quoted item(s) for which the bidder has been blacklisted/banned/debarred either by bid inviting authority or Govt. of J&K or by any other State/Central Govt. and its agencies. This also applies to the bidder for its sister/ allied firm(s)/ unit(s). **(ii) The bidder, in case of representative of the manufacturer/direct importer shall submit fresh authorization of the manufacturer/direct importer duly authenticated and notarized.** **PLEASE ALSO NOTE THAT: -** (A) All attested documents must be submitted in English language. If the documents are not in English, translated version of the same, in English, duly signed and attested by authorized translator must be submitted along with copy of original document. (B) All the above mentioned documents should be under the name and address of the premises where the quoted items are actually manufactured/ stored for supply.
2.7	Financial Bid duly filled in (Annexure III/BOQ) giving the rates for quoted items should be uploaded through e portal www.jktenders.gov.in. The rate should not be disclosed/uploaded in the technical bid. **Rates uploaded along with technical bid shall means out rightly rejection of bid of the concerned person.**
2.8	The required amounts towards cost of bid document and tender processing charges shall be deposited as mentioned at page 5, 01 day before the last date and time of bid submission. All bids received will be opened in the presence of bidders, who choose to be present. Financial bid will be opened only for those bidders, who satisfy the criteria laid down by the JKMSCL on the details furnished by the bidder in technical bid in compliance of terms & conditions of the bid.
2.9	(i) In case of the bid being submitted by a proprietary firm, the bid must be signed by the sole proprietor. In case of a partnership firm, bid must be signed on behalf of the firm by a person authorized, holding a

	power of attorney in his favour to do so; and in the case of a company, the bid must be signed by an authorized signatory, in the manner laid down in the articles of association of the bidder company. (ii) Any change in the constitution of the firm/ company shall be notified forthwith by the bidder/contractor in writing to the Jammu and Kashmir Medical Supplies Corporation, J&K and such change shall not relieve any former member of the firm/ company from the liability under the conditions of the bid/contract. No new partner / partners shall be accepted in the firm by the bidder/contractor in respect of the bid/contract unless he/ they agree to abide by all its terms and conditions and submit a written agreement to this effect. The bidder's/contractor's receipt for acknowledgement or date of any new partner subsequently inducted, as above, shall bind all of them and will be a sufficient discharge for any of the purposes of the contract.
3	**BID SECURITY:**
	(i) Bid shall have to be accompanied with a scanned copy of FDR/CDR/BG as bid security. However, the FDR/CDR/BG as bid security shall have to be submitted before the opening of technical bid with a validity of 30 months. Bids submitted without sufficient bid security & validity shall be summarily rejected. (ii) The bid security of bidder shall be refunded after the earliest of the following events, namely:- (a) the expiry of validity of bid security; (b) the cancellation of the procurement process; or (c) the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted. (iii) The bid security lying with the JKMSCL in respect of other bids awaiting approval or rejection or on account of contracts being completed, shall not be adjusted towards bid security for the fresh bids. The bid security may, however, be taken into consideration in case bids are re-invited for the same item. (vi) In case any document submitted by the bidder or by his authorized representative is found to be forged, false or fabricated, the bid shall be rejected and bid security may be forfeited. Bidder/his representative may also be banned / debarred. Report with police station may also be filed against such bidder/his representative.
4	**FORFEITURE OF BID SECURITY: -**
	The bid security shall be forfeited if: (i) The bidder withdraws or modifies the offer after opening of financial bid, but before acceptance of bid, (ii) The bidder does not execute the agreement, if any, prescribed within the specified time or extended time by competent authority (on the request of the bidder), (iii) The bidder does not deposit the 'performance security' after the supply order is placed/requested for signing the agreement, (iv) The bidder fails to commence the supply of the items as per supply

	order within the time prescribed, (v) The bidder fails to submit samples/demonstration of quoted item on demand (vi) The bidder violates any of the terms & conditions of the bid document.
5	**WARRANTY CLAUSE:-**
	(i) The bidder would guarantee that the subject matter of procurement would continue to conform to the description and quality as per technical specifications and performs as per descriptions, from the date of delivery/ installation of the said subject matter of procurement. Notwithstanding the fact that the purchaser may have inspected and/or approved the said subject matter of procurement during the guarantee period, if the said subject matter of procurement is discovered not to conform to the description and quality as aforesaid or not performing, as described, the procuring entity will be entitled to reject the said subject matter of procurement or such portion thereof as may be discovered not to conform to the said description and quality or not performing as described. On such rejection, the subject matter of procurement will be at the seller's risk and all the provisions relating to rejection of goods, etc., shall apply. The successful bidder shall, if called upon to do so, replace the goods etc. or such portion thereof, as rejected by the procuring entity. Otherwise, the bidder shall pay such damages, as may arise by reason of such breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the procuring entity in that behalf under this contract or otherwise. (ii) The bidder shall, during the Guarantee period appearing in the contract, replace the whole subject matter of procurement or part(s), if any, and remove the manufacturing defects, if found during the above period so as to make the machinery and equipment/ordered items operative. (iii) In case of the machinery or equipment/ordered items, the successful bidder shall be responsible for carrying out annual maintenance and repairs on the terms & conditions, as agreed. The bidder shall have to ensure that consumables required for the maintenance of machine/equipment are being supplied free of cost during warranty period. The adequate regular supply of spare parts and consumables per incident for the machinery or equipment, whether under their annual maintenance and repairs contract or otherwise shall be ensured. In case of change of model the bidder shall notify the procuring entity sufficiently in advance, to facilitate procurement of sufficient quantity of consumables/ spare parts from the bidder to maintain the machinery or equipment. In case, any item supplied by the successful bidder does not conform to the required specifications, the payment thereof, if received by the supplier, shall have to be refunded to the Jammu and Kashmir Medical Supplies Corporation, J&K along with interest to the tune of

	1.5% per month from the date of release of payment. The supplier will not have any rightful claim to the payment of cost for substandard supplies, which may have been consumed, either in part or whole, pending receipt of laboratory test / inspection report, wherever required. Supply of goods less in weight and volume than those mentioned on the label of the container, the same will be dealt with in the manner prescribed under rules.
6	**MARKING**
	All items and accessories supplied should bear marking "JKMSCL SUPPLY _____(engraved or non removable material) "NOT FOR SALE" or as mentioned in supply order in English, without which the supply will not be entertained. JKMSCL may ask change in art work to be printed on the item at any stage of the contract. JKMSCL SUPPLY (_____) NOT FOR SALE
7	**COMPARISON OF RATES:**
	(i) Only net rates should be quoted. No separate free goods or cash discounts should be offered. Rates must be valid for the entire period of contract. (ii) Consignee may be located at a district headquarter (except equipment/ machinery requiring installation and commissioning, the place may be any other station) or as directed by Jammu and Kashmir Medical Supplies Corporation Limited, J&K and the rates must be quoted accordingly. No cartage or transportation charges shall be payable. (iv) The net rate must be inclusive of all charges by way of packing, forwarding, incidental or transit charges, including transit insurance, and any other levies or duties etc. on the subject matter of procurement. (v) In the event of any subsequent variation (increase or decrease) in the rate of GST or nay other taxes by the government (state /UT or central), the same will be admissible accordingly. (vi) If the rates of item quoted are found same from two for more bidders, then the bidders shall be asked to submit revised financial bid, containing reduced rates within given time by Managing Director, Jammu and Kashmir Medical Supplies Corporation Limited, J&K. (vii) The bidder will exercise all due diligence at their own level regarding applicability of other taxes, duties and fees etc. for the unit of supplies as specified in the bid document and accordingly include the same in their quotes. Any additional/extra

	claims over and above the rates agreed pertaining to taxes, duties and fees etc. will not be entertained later on any account. (viii) No part of the bid document should be detached / deleted. (ix) **For comparison of rates, the average comprehensive annual maintenance charges shall be added to the rate quoted for the equipments, if comprehensive annual maintenance is applicable.**
8	**SUBMISSION OF SAMPLES/CATALOGUES AND DEMONSTRATION**
	(i) Catalogues/samples of the quoted item(s) must be sent free of cost to JKMSCL even though the specifications or description etc. are mentioned in the bid form are complied. (ii) Samples of items(s) should be collected back from the JKMSCL, J&K within 15 days from the date of finalization of list of successful bidder/demonstration of product before the expert panel. The corporation shall not be responsible for any damage, wear and tear or loss during the course of testing / examination, etc. The corporation may retain the sample of approved item for one month beyond expiry of contract. The corporation shall not be responsible for any damage, wear and tear or loss in this period. The corporation shall not make any arrangement for return of samples even if the bidder agrees to pay the cost of transportation. (iii) The bidder may be asked to demonstrate the technique, procedure and utility of item as per specifications given in the bid document before the technical committee constituted by the Corporation for the purpose. In case of heavy equipment, the demonstration may be carried out at the nearby place where the equipment has been installed by the bidder. In that case, the decision of the technical committee shall be final. The firm shall keep ready the quoted item and arrange all logistics within the time frame as and when asked by the JKMSCL. After the due date, no request of the bidder/firm shall be entertained for demonstration. (iv) Sample should be strictly according to the item quoted in the bid form failing which the bid will not be considered. Sample must be submitted duly sealed and marked suitably either by writing on the sample or on a slip or durable paper securely fastened to the sample with the particulars as mentioned below: a. Name and full address of the firm b. Catalogue no. and name of the item c. Name of section d. Name of manufacturer e. Brand (v) No change in marking on sample will be allowed after the submission of the sample.
10	**PERFORMANCE SECURITY (P.S.) AND AGREEMENT:**
	(i) The successful bidder shall submit the original copy of Bid document signed on each page **at the time of agreement**. However, while

	uploading the technical bid, only the declaration regarding acceptance of terms & conditions shall be uploaded. (ii) The period of rate contract shall be 24 months from the date of issuance of rate contract. The Managing Director, JKMSCL can extend the original rate contract subject to original terms and conditions for a period deemed fit by them, but not exceeding three months, for which the bidder shall abide. (iii) Successful bidders, whose offers are accepted, shall have to deposit performance security @5% of the value of the supply order in favour of Chief Accounts Officer, JKMSCL within 15 days from the date of issuance of letter of intent. The performance security shall be deposited in the form of FDR/CDR/B.G (Bank Guarantee). However, the bank guarantee shall be for a validity period of six months, beyond the guarantee period sought for the item. (iv) In case of successful bidder(s), the amount of bid security shall be adjusted for performance security for the supply order placed to the firms/bidders. The amount of performance security, if exceeds the bid security, it shall be deposited by the firm against the supply orders issued from time to time. (v) The firm may submit bank guarantee issued by any scheduled/nationalised bank. The minimum validity of bank guarantee should be six months after completion of guarantee period for the item. (vi) The Performance Security: The Performance Security (P.S.) shall be 5% of the total value of stores ordered for supply. The payment shall not be released against supplies untill the additional Performance Security due is deposited by the supplier or additional. (vii) The performance security shall be refunded after six months after satisfactory completion of contract and after satisfying that there are no dues outstanding against the bidder subject to guarantee provisions. (viii) It is to be noted that earlier year's bid security and performance security, even if lying in the JKMSCL shall not be considered towards this contract and therefore fresh bid security/performance security shall be deposited. The JKMSCL shall pay no interest on bid security or performance security amount. (ix) Successful bidders shall have to execute an agreement on a Non-Judicial stamp paper of an amount mentioned in the offer letter, in the prescribed form with the JKMSCL and deposit performance security within 15 days from the date of acceptance of the bid is communicated to him. However, Managing Director JKMSCL, J&K may condone the delay in execution of contract by the bidder. The expenses in this regard shall be borne by the successful bidder. The validity of contract under this agreement shall be for a period as mentioned.

	(x) The bidder shall furnish the following documents at the time of execution of agreement:- (i) Attested copy of partnership deed in case of partnership firms. (ii) Registration number and year of registration, in case partnership firm is registered with registrar of firms; (xi) Address of residence and office, telephone numbers, in case of sole proprietorship with : (i) Registration issued by registrar of companies under Registrar of companies Act 1956, in case of company. (ii) Comprehensive maintenance agreement, if applicable. (xiv) In case of breach of any terms and conditions of the contract or on unsatisfactory performance, the amount of performance security shall be liable to forfeiture by JKMSCL, J&K and decision of Managing Director JKMSCL J&K shall be final. (xv) The rate contract can be repudiate/rejected at any time by the Managing Director JKMSCL, J&K if the supplies are not made to his satisfaction after giving an opportunity to the bidder of being heard and after reasons for repudiation being recorded by him in writing. However, Managing Director JKMSCL, J&K may terminate the agreement of contract at any time without notice/intimation to the successful bidder.
11	**SUPPLY ORDERS:**
	(i) Supply order shall be placed through registered post/e-mail/any communication medium by the JKMSCL. The date of receipt of letter of communication date will be treated as the date of order for calculating the period of execution of order. The successful bidder will execute the orders within a period of 60 days or as specified in the supply order. (ii) The successful bidder acknowledge receipt of orders within 7 days from the date of dispatch of order, failing which the procuring entity may be at liberty to initiate action to purchase the items on risk & cost purchase provision. (iii) In case of imported items, 30 days shall be given in addition to above mentioned period, (iv) Except, for equipments / machinery, which requires installation / commissioning, all other supplies shall have to be to FOR district drug warehouse only. In case of non-viable size of order for supplies, the corporation shall take appropriate decision on representation from the supplier on case to case basis. The consignee for supplies shall be JKMSCL. (v) To ensure sustained supply without any interruption, the Managing Director, JKMSCL reserves the right to have more than one approved supplier from amongst the qualified bidders as matched L1 supplied at matched L1 rates. In such a case, the requirement may be met by dividing be quantity among the rate contract holders considering the quantity required and dedicated capacity of the successful bidders.

	(vi) The ready stock position of the item, if provided by the firm, may be considered by the corporation for the placement of supply orders. (vi) It may be noted that the JKMSCL does not undertake to assist in the procurement of raw material, whether imported or controlled or restricted, and as such the bidders must offer their rates to supply the specific items from own quota of raw material stock by visualizing the prospect of availability and requirement. Any of the above points if taken, as argument for non-supply/delayed supply will not be entertained.
12	**SUBMISSION OF CONTRACT COMPLETION REPORT**
12.1	A consolidated statement shall be submitted to General Manager, EPM by the 10th of each month. Every time the statement should contain details of all orders placed under the contract.
12.2	Firms shall have to submit consolidated statement in duplicate at the end of rate contract well as after expiry of equipment / instrument guarantee period (as provided in guarantee clause of the contract) to enable JKMSCL to examine the case for refund of performance security.
12.3	The end user shall intimate the complaint/defect arise immediately to the manufacturer/importer/representative with copy to JKMSCL for further follow up..
13	**LIQUIDATED DAMAGES:**
	I. The time specified for delivery in the tender form shall be deemed to be the essence of the contract and the successful Bidder shall arrange supplies within the period on receipt of order from the Purchasing Officers. II. In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at the rate of 0.25% per day for every day of delay subject to maximum of 20%. III. Penalty shall not be imposed if claim with regard to any supply i.e. Drugs/Equipment is complete in all respects i.e. QC verification/Board verified etc. is not cleared by the JKMSCL within a period of 60 days IV. Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. V. The maximum amount of agreed liquidated damage shall be 20%. VI. If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to M.D, JKMSCL, Jammu / Srinagar (J&K), which has placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply. The firms shall ensure extension of delivery period for delayed supplies. The payment shall only released by purchase officer after sanction of extension in delivery period by M.D., JKMSCL VII. Delivery period may be extended with or without liquidated damages. If the delay in the supply of goods is on account of hindrances beyond the control of the Bidder, the extension in delivery period may be granted without Liquidated Damage VIII. If the Bidder is unable to complete the supply within the specified or extended period, the purchasing officer (JKMSCL) shall be entitled to purchase the goods or any part thereof from elsewhere without notice

	to the Bidder on his (i.e. Bidders) account and risk only with the prior approval from M.D., JKMSCL, Jammu / Srinagar (J&K). The Bidder shall be liable to pay any loss or damage which the purchasing officer may sustain by reasons of such failure on the part of the Bidder. The Bidder shall not be entitled to any gain on such purchases made against default. The recovery of such loss or damage shall be made from any sums accruing to the Bidder under this or any other contract with the government. If recovery is not possible from the bill and the Bidder fails to pay the loss or damage, within one month of the demand, the recovery of such amount or sum due from the Bidder shall be made under the law for the time being in force. In case more than one supplier has been approved for any item under the approved list circulated to the purchasing officers, the risk purchases may be made at a higher rate from any other firm whose rate is duly approved. It is mandatory for the approved supplier to acknowledge receipt of orders with in fifteen days from the date of dispatch of order, failing which the purchasing officer will be at liberty to initiate action to purchase the items on risk purchase system at the expiry of the prescribed supply period, after taking required approval from M.D., JKMSCL (J&K). (i) If the bidder is unable to complete the supply within the specified or extended period, the purchasing officer shall be entitled to purchase the goods or any part thereof from elsewhere without notice to the bidder on his (i.e., bidders) account at his cost and risk, with the prior approval from JKMSCL. The bidder shall be liable to pay any loss or damage which the purchasing officer may sustain by reasons of such failure on the part of the bidder. The bidder shall not be entitled to any gain on such purchases made against default. The recovery of such loss or damage shall be made from any sums accruing to the bidder under this or any other contract with the corporation/government. If recovery is not possible from the bill and the bidder fails to pay the loss or damage within one month of the demand, the recovery of such amount or sum due from the bidder shall be made or any other law for the time being in force. In case supplier fails to deliver ordered goods, the risk purchases may be made at market rate from any other firm. It is mandatory for the approved supplier to acknowledge receipt of orders within seven days from the date of dispatch of order, failing which the procuring entity will be at liberty to initiate action to purchase the items on risk purchase provision at the expiry of the prescribed supply period. (ii) In case of wrong quoting, (or) if successful bidder refuses (or) fails to execute the supplies on the basis of wrong quoting of rates, the bidder shall be penalized with forfeiting of amount equivalent to the Performance security for the said product (or) debarring/ blacklisting of firm for that particular product(s) for a period not less than 02 years (or) both as deemed fit by TIA i.e. MD, JKMSCL.
14	(i) JKMSCL shall procure the machinery & equipment for the Health & Medical Education Institutes of J&K State, inter-alia. (ii) The funds shall be transferred to JKMSCL with indent form and supply orders shall be placed by JKMSCL to suppliers.
15	**RECOVERIES**
	(i) Recoveries of liquidated damages, short supplies, breakage, rejected articles shall ordinary be made from bills. Such amount may also be recovered from any other untied dues & security deposits available with

	Corporation. In case recovery is not possible, recourse will be taken under law in force. (ii) **Any recovery on account of L.D. charges/risk & cost charges in respect of previous rate contracts/ supply orders placed on them by the corporation can also be recovered from any sum accrued against this tender after accounting for untied sum or due payment sum lying with corporation against previous rate contracts/supply orders. Firm shall submit details of pending amount lying with corporation but decision of M.D., JKMSCL, J&K regarding authenticity of sum payable shall be final.**
16	**INSPECTION:-**
	(i) The equipments supplied shall be according to specifications provided at Section IV (3) schedule of supply and may be inspected by the technical panel/team constituted for the purpose by JKMSCL deemed fit on the site of manufacturer (in case of Indian manufacturer)/ importer (importer site). The manufacturer/importer shall facilitate the demonstration of the said machine/equipment/on the site only. After the receipt of "Certificate of satisfaction" from the technical panel, the supply order shall placed. In case of BIS Items, inspection shall be strictly as per relevant BIS specifications with latest amendments and have been made applicable by B.I.S. at the time of inspection. The machine/equipment shall be further inspected at the time of installation/commissioning at site i.e the end user site. The supplier shall provide all facilities for inspection/testing free of cost. (ii) Notwithstanding the fact that the authorized inspecting agency had inspected and/or has approved the stores/articles, the procurement officer or his representative may inspect the item/material as soon as it is received in the stores to ensure that the supply is in accordance with the specifications laid down in rate contract. (iii) In case of doubts in inspection/ test, same may be got inspected or tested in any laboratory. If the material is not found as per specifications or defective, consignee will not accept the material and shall inform the JKMSCL, J&K within 3 days. Consignee may also simultaneously ask the firm for removal of defect/replacement. The firm shall be bound to remove the defect or replace the defective equipment/item within 15 days of receipt of intimation from the consignee. However, the date of delivery, in case of defective item shall be taken as the date on which the JKMSCL accepts the item after replacement of defective material/removal of defects as the case may be. Wherever defective item is replaced, the inspection / testing charges, if any, shall be borne by the supplier. (iv) If required, the consignee may refer inspection committee to match the specification with available reserved sample with the corporation which is submitted by the firm/supplier at the time of technical approval. (v) In case of imported item, the supplier shall ensure that the item shall be inspected by the third party inspection agency before dispatched to the consignee. In case any un-inspected item has been found in

	the item received by consignee, the firm shall be solely responsible for it and the JKMSCL shall be free to take suitable necessary action as per terms and conditions of bid documents/agreement against the firm.
17	**PACKING AND INSURANCE**
	(i) The goods will be delivered at the destination in perfect condition. The firm if so desires may insure valuable goods against loss by theft, destruction or damages by fire, flood, under exposure to weather of otherwise in any situation. The insurance charges will have to be borne by the supplier and the corporation shall not be required to pay any such charges, if incurred. (ii) The firm shall be responsible for the proper packing so as to avoid damages under normal conditions of transport by sea, rail, road or air and delivery of material in good condition to the procurement officer's store. In the event of any loss, damage, breakage or leakage or any shortage the firm shall be liable to make good such loss and shortage found at destination after the checking/inspection of material by the consignee. No extra cost on such account shall be admissible. The firm may keep its representative to verify any damage or loss discovered at the consignee's store, if it so likes. (iii) Packing, cases, containers and other allied material if any shall be supplied free, except where otherwise specified by the firm(s) and agreed by the JKMSCL and the same shall not be returned to him.
18	**REJECTION**
	(i) Articles not as per specifications/or not approved shall be rejected by the JKMSCL and will have to be replaced by the supplier firm at his own cost within 15 days or as time limit fixed by the JKMSCL. (ii) All the stores supplied shall be of the best quality and conforming to the specification, trademark laid down in the schedule attached to agreement and in strict accordance with and equal to the approved, standard, samples. In case of any material of which there are no standards or approved samples, the supply shall be of the best quality to be substantiated by documents. The decision of Managing Director JKMSCL as to the quality of stores be final and binding upon the bidder. In case any of the articles supplied are not found as per specification or declared sub-standard/spurious, that shall be liable to be rejected and any expenses of loss caused to the supplier as a result of rejection of supplies shall be entirely at his account. (iii) The rejected item must be removed by the firm, within 15 days of the date of intimation of rejection. The officials concerned will take reasonable care of such material but in no case shall be responsible for any loss, damage, shortage that may occur while it is in their premises. (iv) No payment shall be made for defective/incorrect items. However, if payment has been made, then defective items shall be allowed to be removed only after the firm replaces material as per specifications, duly inspected. If the payment has not been made, the firm may be allowed to remove the material without prior replacement (provided firm has performance security as per condition No. 18). Joint inspection of defective material may be carried out as required by the JKMSCL. However sample of ISI marked material found defective shall be kept by consignee for reference

	to BIS. (v) In case firm wants to take back item to their works for rectification then firm has to deposit payment received against such defective supplies. In case supplier has not received any payment then material be returned to supplier firm for rectification. The Bidder shall be responsible for the proper packing and delivery of the material to the consignee. In the event of any loss, damage, or breakage, leakage or shortage in transit, the Bidder shall be responsible. No extra cost on such account shall be admissible.
19.	**CORRECTION OF ARITHMETIC ERRORS**
	Provided that a financial bid is substantially responsive, the procuring entity will correct arithmetical errors during evaluation of financial bids on the following basis: (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the procuring entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected; (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. (iii) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to clause (a) and (b) above. If the bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its bid security shall be forfeited or its bid securing declaration shall be executed.
20	**PROCURING ENTITY'S RIGHT TO VARY QUANTITY:**
	(i) The quantity of equipments and instruments originally indicated in the bidding document may vary without any change in the unit prices and other terms and conditions of the bid and the conditions of contract. (ii) If the Managing Director JKMSCL J&K procures less than the quantity indicated in the bidding documents the bidder shall not be entitled for any claim or compensation except otherwise provided in the conditions of contract. (i) If the Bidder fails to supply the Managing Director JKMSCL J&K shall be free to arrange/procure the items and the extra cost incurred shall be recovered from the Supplier.
21.	**PARALLEL RATE CONTRACT**
	The JKMSCL may also execute parallel rate contract to with more than one firm for each item on the lowest approved rates on the same terms and

	conditions, if the original lowest one each not in a position to supply material as per JKMSCL requirement. (i) To ensure sustained supply without any interruption, the bid inviting authority reserves the right to approve more than one supplier to supply the requirement among the qualified bidders. (ii) Orders will be placed with Lowest I (L-1) firm. However in case of any exigency at the discretion of the bid inviting authority, the orders may also be placed with the other firms, in the ascending order, L-2, L-3 and so on who have matched with the L-1 rates and executed agreement with corporation on same rates (L1), terms and conditions. (iii) After the conclusion of financial bid opening (Cover B) the lowest offer of the bidder is considered for negotiation and rate arrived after negotiations is declared as L-1 rate and L-1 supplier for an item for which the bid has been invited. (iv) The bid who has been declared as L-1 supplier for certain item shall execute necessary agreement for the supply of the required quantity of such item on depositing the required amount performance security and on execution of the agreement such bidder is eligible for the placement of supply orders. (v) JKMSCL will inform the L-1 rate to the bidders who had qualified for financial bid (Cover B) opening, inviting their consent to match with the L-1 rates for the item/items quoted by them and the bidders who agree to match L-1 rate, will be considered as matched L-1 (vi) The bidder who agrees to match L-1 rate shall furnish the breakup detail (Rate, GST, CUSTOM DUTY etc.) of rates (L-1 rates). (vii) The supplier, on receipt of the supply orders deems that the purchase orders exceeds the production capacity declared in the bid documents and the delay would occur in executing the order, shall inform the JKMSCL immediately without loss of time and in executing the order, shall be returned within 7 days from the date of issuing order, failing which the supplier would be deprived from disputing the imposition of liquidated damages, and penalty for the delayed supplies. (viii) If the L-1 supplier has failed to supply / intimated JKMSCL about his inability / delay in supply as per the supply order, the required items within the stipulated time or as the case may be, JKMSCL may also place purchase orders with the matched L-1 Bidders for purchase of the items provided such matched L-1. Bidders shall execute necessary agreement indicating the production capacity as specified in the bid document on depositing the required amount. Such bidder is eligible for the placement of purchase orders for the item quoted by them. (ix) Subject to para (vii) above, while JKMSCL has chosen to place purchase orders with matched L-1 supplier and there are more than one such matched L-1 supplier, then the purchase orders for the requirement of items will be place with L-2 first on matched rates of L-1

	and in case L-2 does not have the required capacity than L-3 would be considered on matched L-1 rates and the same order would be flowed in case of L-3, L-4, etc. (x) The matched L-1 supplier, on placement of purchase orders, will be deemed as L-1 rate supplier for the purpose of the bid and all provisions of the bid document applicable to L-1 rate bidder will apply to the matched L-1 supplier. (xi) If the supplier fails to supply the item for the purchase orders, at any point of time, either fully or partly, within the stipulated time, JKMSCL is at liberty to place purchase orders with other bidders (in ascending order, viz, L-2, L-3 and so on) at the price offered by then and in such cases the supplier is liable to indemnify JKMSCL, without any protest or demur, for the difference in cost incurred by JKMSCL and the JKMSCL is entitled to recover the difference in cost from the amount due / payable to the supplier. (xii) Parallel rate contract may be concluded as described above during any time / currency of rate contract subject to matching of L-1 rates, price fall clause and on same terms and conditions.
22	**VALIDITY OF BID:**
	Bids shall be valid for a minimum period of 120 days from the date of opening of technical bid. Prior to the expiry of the period of validity of bid, the procuring entity, may request the bidders to extend the bill validity period for an additional specified period of time. A bidder may refuse the request and such refusal shall be treated as withdrawal of the bid but in such circumstances bid security shall not be forfeited.
23	**PRICE ESCALATION:**
	Price escalation or price variation shall not be applicable or considered under any circumstances for the purchases made under this bid or agreement. However, the provisions provided for tax variations are exclusive to this clause.
24	**SUBLETTING OF CONTRACT:**
	Subletting or assigning contract to third party is prohibited. In the event of bidder violating this condition, the Jammu and Kashmir Medical Supplies Corporation Limited shall be at liberty to place the contract elsewhere on the Bidder's account and at his risk. The bidder shall be liable for any loss or damage, which the Government may sustain in consequence or arising out of such replacement of the contract.
25	**FALL CLAUSE:-**
	(i) The prices under contract shall be subject to price fall clause. The prices charged for the store supplies under the contract by successful bidder shall in no event exceed the lowest price at which the successful bidder sells the stores of identical description to any other persons during the period of the contract in the Union Territory of J&K. If any time, during the period of the contract, the bidder reduces the sales price chargeable

	under the contract, he shall forth with notify such reduction to the JKMSCL, J&K and the price payable under the contract for the stores supplied after the date of coming into force of such reduction or sale shall stand reduced correspondingly. It imply that if the contract holder quotes/ reduces its price to render similar goods at a price lower than the contract price to anyone in the State /UT at any time during the currency of contract including extension period, the contract price shall be automatically reduced with effect from the date of reducing or quoting lower price for all delivery of subject matter of procurement under contract and the contract shall be amended accordingly. (ii) The firms holding parallel rate contract shall also reduce their price. Firms shall notify their reduced price and intimate their acceptance to the revised price within 15 days to JKMSCL. Similarly, if parallel rate contract holding firm reduced its price during currency of the rate contract, its reduced price shall be conveyed to other parallel rate contract holding firms and the original rate contract holding firms for corresponding reduction in their prices. If any rate contract holding firm does not agree to reduce price, further transaction with it, shall not be conducted.
26	**COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST:**
	Any person participating in a procurement process shall- a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process; b) Not misrepresent or omit misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation; c) Not indulge in any collusion, bid rigging or any-competitive behaviour to impair the transparency, fairness and progress of the procurement process; d) Not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process; e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any part or to its property to influence the procurement process; f) Not obstruct any investigation or audit of a procurement process; g) Disclose conflict of interest, if any; and h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity. **Conflict of Interest :** The bidder participating in a bidding process must not have a conflict of interest. A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's

	performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. A bidder may be considered to be in conflict of interest with one or more parties in bidding process if, including but not limited to : a. Have controlling partners/shareholders in common; or b. Receive or have received any direct or indirect subsidy from any of them; or c. Have the same legal representative for purposes of the bid; or d. Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the procuring entity regarding the bidding process; or e. The bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a bidder, in more than one bid; or f. The bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the goods, works or services that are the subject of the bid; or bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in charge/consultant for the contract. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge / consultant for the contract.
27	All correspondence in this connection should be addressed to the Managing Director JKMSCL, J&K. Technical questions should be referred to the Managing Director JKMSCL, J&K direct by correspondence or by personal contact.
28	(i) Direct or indirect canvassing on the part of bidders or their representative shall disqualify their bids. (ii) Supplier may be disqualified, banned or suspended from business during the rate contract if : (a) fails to execute a contract or fails to execute it satisfactorily ; (b) no longer has the technical staff or equipment considered necessary ; (c) is declared bankrupt or insolvent or its financial position has become unsound, and in the case of a limited company, it is wound-up or taken into liquidation ; (d) The firm is suspected to be doubtful loyalty to state. (e) The State Bureau of Investigation (SBI) or any other Investigating agency recommends such a course in respect of a case under investigation. (f) Managing Director JKMSCL, J&K is prima- facie of the view that the firm is guilty of an offence involving moral turpitude in relation to business dealings, which if established would result in business dealing with it banned.

29	No action on the letter head of the bidder /firm regarding any complaints against the JKMSCL will be considered unless the letter head bears the signature of the bidder or the authority higher than the bid signatory of the firm.
30	(i) If any certificate/documents/information submitted by the bidder found to be false/ forged/ fabricated/vexatious or frivolous or malicious appeals or complaints etc. than bidder shall be liable for the appropriate legal action along with disqualification, banning, suspension etc. for limited or unlimited period. (ii) Bidders are required to submit wanted information (if any) based on the facts. If the furnished information by the firm found to misleading or not based on facts disciplinary action against the firm may be taken as to banning concerned item/items for certain or uncertain period.
31	The JKMSCL reserves the right to accept any bid not necessarily the lowest. The JKMSCL may reject any bid without assigning any reasons and accept bid for all or anyone or more of the articles for which bidder has been given or distribute items of stores to more than one firm/supplier.
32	**GRIEVANCE**
	Grievance regarding interpretation of any clause of the contract/agreement executed between the parties shall be referred to Managing Director, JKMSCL for its clarification.
33	**ARBITRATION**
	34.1 Governing Law: This NIT shall be governed by and construed in accordance with the laws of the Union Territory of Jammu and Kashmir and the laws of India as applicable to the Union Territory of Jammu and Kashmir. 34.2.1 Amicable Settlement: Either party is entitled to raise any claim, dispute or difference of whatever nature arising under out of or in connection with the NIT including its existence or validity or termination (collectively "dispute") by giving a written notice to the other party, which shall contain i. a description of the dispute ii. the ground for such dispute iii. all written material in support of its claim 34.2.2 The other party shall, within thirty days of issuance of dispute notice issued, furnish: I. Counter claim and defences, if any, regarding the dispute; and II. All written material in support of its defences and counter claim 34.2.3 Within thirty days of issuance of notice by any party pursuant to para 29.1.2 both the parties to the dispute shall meet to settle such dispute amicably. If the parties fail to resolve the dispute

	amicably within thirty days of the receipt of the notice referred to in the above para the dispute shall be referred to Managing Director, JKMSCL, J&K for its reference to arbitration. 34.3 Dispute Resolution: Besides, as referred above in para 29.1.3 may also include any dispute arising out of contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to the Managing Director, JKMSCL, J&K who will appoint his senior most officer as sole Arbitrator of the dispute, will not be related to this contract and whose decision shall be final and binding on both the parties. The Arbitrator proceedings shall be governed by the J&K Arbitration and Conciliation Act, 1997. The venue of the Arbitration shall be in the Union Territory of Jammu and Kashmir. **Note**: - Small grievances regarding interpretation of any clause of the Contract / Agreement executed between the parties shall be referred to Managing Director, JKMSCL for its clarification and such interpretation(s) given shall not become subject matter for reference to Arbitration
34	The JKMSCL will have the right of rejection of all or any of the bids without assigning any reason for the same. The right to conclude parallel rate contracts with another firm for the stores detailed in Table I is also reserved by the Managing Director JKMSCL, J&K
35	Extra stipulation or any other condition contrary to the above bid conditions are not acceptable and may render the bid liable to rejection.
36	The bidder must sign all the pages of bid document at the below of terms & conditions agreeing to abide by all conditions of the bid and accept them in toto. The Signing of **Annexure A1** shall be treated as acceptance of all the terms and conditions of the bid document.
37	The Managing Director JKMSCL, J&K may relax or change/ modification in terms and conditions in the exigency excluding fundamental changes. In case of such urgency the terms & conditions shall be got approved from Purchase committee of Managing Director JKMSCL, J&K as the case may be.
38	**JURISDICTION:-** All actions, legal proceedings and suits arising from or connected to this bid shall be subject to the exclusive jurisdiction of courts in J&K only.

Section VI B: - Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The clauses of special conditions of contract are as follows:-

Clause No.	Particulars
1.	Technical details, bid security, tender cost, tender processing fee and all other required documents should be uploaded under **Cover "A" Technical Bid** and financial details (BOQ) should be uploaded under **Cover "B".** No document except financial instrument (DD/FDR) & catalogues of the bid items shall be entertained physically by the Corporation.
2.	Pre-requisite, if any, for installation, including UPS, computer, printer, and other items should be provided by the firm in technical bid and financial bid respectively.
3.	Firm shall provide comprehensive maintenance with spare parts for item(s), as mentioned in Technical specification (from the date of installation / demonstration). Acceptance of comprehensive maintenance contract after expiry of guarantee period should be submitted with the cover "A" and rates in cover "B" respectively.
4.	Conditional bids shall not be considered.
5.	Normally, payment shall be released after installation, demonstration and successful commissioning of equipment/ITEM and satisfactory operational training.
6.	**All certificates should be valid on the date of submission of bids and issue of supply order.**
7.	The bidder should have well equipped local service centre in India preferably in J&K.
8.	i. The bidder shall be a manufacturer/direct importer/authorised representative of the original manufacturer/importer who must have manufactured/ imported and supplied and installed this equipment(s) in India satisfactorily. ii. The merger / amalgamation / transfer of business / transfer of assets etc. of a firm affects the bid condition relating to 'past performance' in preceding years. In cases where bidder acquired an ongoing business or assets of another entity, eligibility in respect of the past performance and condition relating to minimum turn over in preceding years shall be decided based on specific mention in purchase and transfer of ownership agreement / agreement of sale of business and / or its assets / board of directors (B.O.D) resolution chartered accountant certification or any other document (s) in this regard, which the bidder shall have to submit preferably with the bid. The eligibility of a bidder in this regard shall be ascertained by the purchase committee on the basis of the above stated agreement or any other document(s) and the decision of purchase committee shall be final.

9.	The name, make, model and brand of equipments, which are offered, should be mentioned in against each item. Mere indication of English/USA/Indian will not serve the purpose.
10.	In the case of supply of imported item the suppliers may be asked to furnish a certificate to the effect that the firm has completed all the formalities in connection with import of the item in question.
11.	In case the item approved by the JKMSCL is procured by any other department on the rate contract of JKMSCL, the administrative charges to the extent of 5% of the invoice value shall be deposited by the approved firm or else, the firm/supplier shall be liable to be penalised which may lead to blacklisting/debarring from entering into the tender process for not less than 05 years by JKMSCL besides forfeiture of earnest money or any other action as deemed fit by the Managing Director, JKMSCL.
13	The Supplier/service providing firm shall be liable to pay a **penalty of Rupees five thousand per day,** if the firm didn't respond after 48 hours from the time of receiving first complaint. The complaint may be sent to firm by way of telephone /fax/letter or e-mail. The amount of liquidation damage shall be directly deducted from the security deposit of the firm at the time of refund or before by way of any adjustment order. All breakdown calls to be attended within 24 hrs at (within city limits) and 48 hrs for other districts/peripheral areas otherwise the penalty shall be

APPLICABILITY OF CLAUSES: - All the clauses from 1 to 38 of general terms and conditions and from 1 to 13 of special terms and conditions and their annexure, formats & enclosures are applicable for the bid items.

Managing Director
Jammu and Kashmir Medical Supplies Corporation Limited

I/We have read the above terms and conditions and I/We agree to abide myself/ourselves by the above terms & conditions of the bid document

Signature of bid with seal

Section VI C: Contract Forms (CF)

Table of contents

Annexure AI

LETTER OF ACCEPTANCE

M/s ……
……
Sub :- Acceptance of the bid rates for the item
……
Ref :- Your bid no. ..... dated …….

1. Item (s) as per schedule enclosed/ noted/is/are approved in your favour against the rate (s) quoted by you in the above mentioned bid. According to the terms & conditions of the bid it is necessary to execute an agreement in the prescribed form enclosed, on a non judicial stamp paper of Rs. **.....** and furnish the requisite amount of performance security. The amount of performance security calculated on the basis of the approved items and indicative quantity mentioned in the bid from works out to ……..…… only)
2. The performance security shall be furnished to Jammu and Kashmir Medical Supplies Corporation Limited through bank draft payable at Jammu.
3. All terms and conditions of the bid document shall be an integral part of the contract. You are informed to return the agreement form along with schedule of rates for approved item (s) in duplicate duly filled in and signed by you with signature and addresses of two witnesses below signature at the appropriate place mentioned in the agreement form. The copies of the agreement form must be send duly completed in all respect along with the amount as mentioned above falling which it will be treated as a breach of the terms and conditions of the bid and it will also be presumed that you are not interested in entering into the contract and approval of the rates shall be cancelled without notice or any reference.
4. The list of approved items may be checked and in case there is any difference between your offer and the approved rates, the same may be intimated immediately, failing which it will be presumed that it is correct as per your offer and technical specification.
5. The firm shall furnish consolidated statement of supplies made to JKMSCL by the 10th of the next month as per terms of conditions.
6. Please note that self attested/notarized copies of documents shall be considered valid. If photo copies are submitted, than at the time of signing the agreement, the firm shall bring original documents for confirmation.
7. Also please arrange to furnish the following documents required under the terms and conditions of the bid failing which the agreement will not be executed and the failure would lie at your part

   (i) **The original copy of bid document signed on each page, which has been uploaded on e-procurement portal.**

8. You are therefore; requested to please complete the above formalities within 15 days from the date of issue of this letter. The duly signed duplicate copy of the agreement will be returned to you for reference.

Encl.:1. Agreement form
2. Schedule of Rates
3. Any other

Managing Director
Jammu and Kashmir Medical Supplies Corporation Limited

Annexure AII

Format-Authorized Representative of Original Manufacturer/Direct Importer

In case, original manufacturer/direct importer wish to authorise any representative to bid, to negotiate, to raise invoice to receive payments on behalf of original manufacturer/direct importer/against invoice raised by representative.

The Managing Director,
Jammu & Kashmir Medical Supplies Corporation Ltd.
J&K
Dear Sir,

We _____ who are established and reputed manufacturers of _____ having factories at _____ Registered office at _____ possessing manufacturing license No. _____ and do hereby authorize M/S _____ (Name and Address of Representative) to submit a bid and subsequently negotiate with you against the above mentioned tender, subject to the condition that I/we, the original manufacturer/direct Importer of the bidding items and our authorized representative _____ are ready to execute Tripartite agreement with the Corporation i.e JKMSCL stating inter-alia that:-

1. The invoice submitted by the authorised representative for such supplies shall be endorsed by me /us i.e. the original Manufacturer/Direct Importer of bidding items and original copy of the delivery challan of Manufacturer's towards authorised representative for such supplies shall also be endorsed along with invoice submitted by our Authorized Representative.
2. JKMSCL may secure an e-mail /alternative confirmation for authenticity of such supplies from Manufacturer/Direct Importer, before releasing the payment, which we are committed to provide.
3. The payment shall however be released on the terms and conditions of tripartite agreement to be signed between JKMSCL, Original Manufacturer / Direct Importer and the authorized representative of Original Manufacturer / Direct Importer of the bidding items for such supplies made by the authorized representative, on behalf of me / us.
4. In case of change of Dealership we shall be responsible for providing after sales services and maintenance of the equipment free of cost during the warranty period..

No company or firm or individual other that M/S _____ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

I / we, further agree to comply with the conditions specified under Clause 2(a) –Eligibility Conditions, of the tender document. We hereby extend our full guarantee as per the tender conditions for the goods offered for supply against this invitation for bid by the above Firm.

Yours faithfully
Name
For and on behalf of M/S
(Name of the manufacturer/Direct Importer)

Note: This letter of authority should be on the letter head of original Manufacturer/Direct Importer of bidding items **and should be signed and sealed by the Proprietor/ Managing Director of the firm / authorized signatory and shall have to be duly notarised.**

Annexure AIV

TECHNICAL SPECIFICATIONS

Name of the equipment	Specifications
Sweat chloride analyzer (Nanoduct)	1. Device for stimulation, collection and analysis of sweat for screening of Cystic Fibrosis in patients at bed-side location. 2. Should operate on principles of Pilocarpine iontophoresis for sweat induction by using electric current and Capillary action for sweat collection and conductivity measurement for sweat analysis. 3. Delivery of Pilocarpine drug should be through pre-dosage ready to use gel discs. 4. Sweating rate should be indicated on device to validate rate of sweat production and amount collected. 5. Adequate Iontophoresis current to be automatically adjusted by the device to prevent burns on the skin. 6. Iontophoresis Time to be automatically regulated between 2 minutes - 4 minutes at operating current. 7. Device should give audible signal in case of fault or error in device performance. 8. Device should be portable to use at near patient bed-side, operating on batteries. 9. Device to be supplied with attachment straps of small (child) and large (adult) sizes. 10. Conductivity of Sweat should be reported in equivalent Chloride concentration in mmol/L of NaCl. 11. Should have measurement range of 5 - 160 mmol/L or better. 12. Operating voltage of devices to be 100 - 120 VAC or 200 - 240 VAC 13. Operating Temperature range should be 15°C to 30°C 14. The equipment manufacturer should be USFDA/CE registered.
Volumetric Infusion Pump	1. Should have infusion rate range from 1 ml/h to 1200 ml/h 2. Power: AC with battery back-up of at least 5 hours at 25ml/hr with on screen battery indicator 3. Should have a LCD display with backlight and Flow Rate, Infusions set brand, Volume, Total infused Volume and Battery Indicator displayed on the screen 4. Should have an on-screen graphical display of delivery pressure 5. Should be pre-calibrated for use with at least2 brands of infusion sets with option to calibrate additional brands 6. Should have infusion program setting where 2 different flowrates can be pre-programmed for the same infusion. 7. History log report of 1000 latest records that can be viewed on the pump and downloaded to the PC 8. Should have volume infused display from 1 ml to 9999 ml 9. Should have priming/bolus rate of 1000 ml/h

	10. Should have 3 occlusion alarm thresholds – High, Medium and Low 11. Should have adjustable KVO rate from 1 ml/h to 5 ml/h 12. Should have an RS232 interface 13. Should be European CE/USFDA approved 14. Should be light weight (≤2 kg) 15. Should have the following audible and visual alarms:- i. Occlusion ii. Air in line iii. Battery low iv. Battery depleted v. Infusion near complete vi. Infusion complete 16. OEM should have their own service centre in India.
Syringe Pump	1. The pump should be able to use and automatically sense 5ml, 10ml, 20ml, 30ml & 50ml Syringes Sizes. 2. Should not be more than 2 kgs in weight. 3. Should have wide range of audio and visual alarms for conditions such as, Empty, Near Empty, Occlusion, Syringe displaced, Low Battery. 4. Should be capable of programming infusion rate within the range of 0.1ml/hr to 1500 ml/hr and the infusion rate can be adjusted in increments of 0.1 ml/hr. 5. Should have a Mechanical /Drive accuracy of 0.8% & Total Infusion accuracy 1.8%. 6. Should be able to store up to 500 Drug names. 7. Should have adjustable alarm volume levels. 8. Should have dynamic pressure display on the pump. 9. Should have option to adjust and switch off KVO from 0 to 5ml/hr 10. Should have the capability to stack 4 pumps at a time with a provision to attach a handle at the top. 11. Should have 5 selectable Occlusion Pressure Range levels from 100 mm Hg - 900 mm Hg. 12. Should have a Lithium Ion Battery of minimum 2600mAh & Should have 8 hours of battery life @5ml/hr. flow rate. 13. Should have different infusion modes like, rate mode, time mode, weight mode. 14. Should have the facility of Multi rate mode in which the provision should be to set 3 infusion rates at once. 15. Should have night mode. 16. Should be EUROPEAN CE/ USFDA approved. 17. OEM should have their own Service centre.
Infant T-Piece Resuscitator	• The device should be ideal for use in Labour room, NICU and during transportation. • It should be powered by gas flow with no electrical or battery

	operation. • It should be light weight and easy to handle. • In-built Pressure Gauge (manometer) to set & indicate delivery of PIP & PEEP Manometer range -10 to 80cmH20 (mbar) Manometer accuracy: +-2.0 % full scale deflection. • Peak Inspiratory Pressure (PIP) at 8 lpm : 3 to 72 cmH20 • Positive End Expiratory Pressure (PEEP) at 8lpm : 0 cmH2O to 9cmH2O • Safety provision with adjustable Pressure Relief Valve for maximum limiting • Maximum pressure relief at 8LPM : 5 to 70cm H2O • Delivered oxygen up to 100% depending on gas supply. • Unit should be compatible with neonatal mask & endotracheal tube • The patient T –Piece should have port for surfactant delivery • Should be compatible for use with heated humidifier. • Spiral Heated wire circuit with integrated T-Piece compatible for use with heated humidifier should be supplied with system. • Operating and storage limits -20°C to 50°C and Up to 90% relative humidity • **Certification:** Manufacturer should have US FDA Approval. ***Safety standards, certification and Training.*** • It should meet safety standards IEC 60601-1, EN 60601-1. • ISO standards for medical devices: ISO 13485 & ISO 10651
Neonatal heat radiant warmer (Neonatal open care system)	1. Quartz heater based radiant warmer with integral bed used for clinical management of neonatal hypothermia. The equipment can be operated in servo or manual modes. Facility for halogen based phototherapy. 2. Units are provided to use the equipment in the labor ward, NICU or general nursery. The equipment electronic control panel should have key lock facility, celcius to Farhenheit change over facility and battery back up to 20 minutes. 3. Working temperature: 26.4 to 40 deg C, Accuracy: +/-0.2 deg C. 4. Accuracy of probe interchangeability: +/-0.2 deg C. 5. Need for probe calibration: Not required. 6. Temperature probe: Thermistor based interchangeable probe. Wire should be easy to clean, long lasting, Teflon coated with silicon rubber sleave. 7. Set temperature range: 32 deg C to 38 deg C. 8. Power: Less than 1 K.W. 9. Heating element: Quartz encapsulated heater with parabolic reflector. 10. Temperature display: Bright numerical LED display at 1" for viewing from distance. 11. Alarms : • High temperature (more than 0.5 deg C difference). • Low temperature (more than 0.5 deg C difference).

	• Temperature probe failure. • Power failure. • System failure. • Heater failure. 12. Time out alarm (manual mode). 13. Maximum mattress tilt: +80 (continuously variable) both side .Maximum mattress swivel on both sides of vertical column +45deg C. 14. The unit is mobile with 4 swivel castors fixed to the base. .Diameter of castors: 4" (front 2 wheels lockable. Imported castors with antistatic wheel. 15. Observation lamp: Halogen based lamp focusable anywhere on the bed. 16. Facility of stand – for I.V. fluids. 17. The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%. 18. The unit shall be capable of operating continuously in ambient temperature of 20-30 deg C and relative humidity of 15-90%. 19. Power input to be 220-240VAC, 50Hz 20. Should be US FDA& European CE certified 21. Electrical safety conforms to standards for electrical safety IEC 60601-1 (OR Equivalent international/national standard) General requirement for Electrical safety of Medical Equipment.

O.T. Table PEDIATRIC SURGERY	**General construction features :**
	• Operating table column to accommodate the Operating table tops compatible with the system.
	• Mobile Column should be independently maneuverable, can be moved with or without table top and patient and stopped in any position.
	• Modular OR table top, consisting of seat and back plate, with identical mounting points on the end sides for the adaptation of back segment, seat plate, head rest and leg plates. Three motor-driven joint pairs offer all options for demanding patient positioning.
	• With motor-driven longitudinal shift of 400 mm.
	• Motor-driven comfort function 'Flex / Reflex'
	• Horizontal alignment of all motor-driven table top segments including OR column head via the zero position function on the hand control
	• Smart control touch enabled, to display table positions and angulation
	  • IR hand control with and without the cable-connected hand control
	  • Speed control options and 30 Memory positions
	  • User guidance with status messages
	  • Battery charging status for both table and hand control
	  • One version for cable corded and IR version (detachable cable)
	  • Hard keys buttons for main functions and graphic touch screen for additional control
	  • Four different zero positions allows for an individual setting based on the patient condition or the situation. Four adjustment speeds:fast, medium, precise, very precise
	  • The motor-powered movements of the Operating table system should be controlled using:
	  additional control panel integrated into the Operating table column
	  Extended functions may be controlled via the hand control.
	  • Four speeds can be selected to ensure precise and controlled table movements (height, tilt, inclination, back, legs and longitudinal shift)
	  • Pre-programmed, flex, reflex, beach chair, horizontal back settings

	• Up to 30 positions can be stored individually
	
	• Padding (machine washable)
	  • OR table tops should be equipped with integral protective comfortable (IPC)foam padding, 80 mm thick, electrically conductive.
	  • The pad core should have a sandwich construction, with protection against decubitus and viscoelastic foam for optimum distribution of pressure.
	  • The padding should have integrated carrier plates, and could be removed without the use of tools.
	  • Velcro-free cushions are easy to clean
	
	• Should be Machine-decontamination possible for meeting highest hygiene standards
	  • Smooth surfaces for easy cleaning
	  • Transporters, table tops, and accessories may be machine decontaminated, reducing the risk of nosocomial infection
	
	• Should be comptable with OT Integration, and all Table movement control possible by OT Integration.
	
	• Electric motor-powered drive of the OR table top. All drives should be equipped with electronic dynamically regulated smooth-start function for the jolt-free start of all movements like:.
	  • motor-driven longitudinal shift
	  • motor-driven back plate drive
	• Table top transfer possible either by foot pedal or hand control
	• The OR table column enables the transfer of the OR table tops from both sides, as well as in head or foot orientation.
	• Double-sided OR table top transfer with automatic recognition of the orientation direction. The recognition of the orientation direction of the OR table top on the OR table column takes place automatically. This ensures the correct assignment of the function keys on the hand control.
	• Automatic table top locking on the OR table column, with electronic monitoring.
	• The power should be supplied to the Operating table column through maintenance-free batteries which are integrated into the base plate; operating capacity between charges min. approx. 1 week of operations.
	  • The batteries should be charged up using a power cable, which can also be used to operate the Operating table column from a mains power supply.
	• The Operating table column should allow Operatingtable tops to be transferred from either side, and in either direction, i.e. with the head or the foot end first.
	• The orientation of the Operatingtable top on the column should berecognized automatically and the function keys on the control unit should be assigned accordingly.
	• The Operatingtable topshould be automatically locked onto the Operating table column and this locking mechanism should be monitored electronically.
	• Operating Table System supportsyour workflow right from the beginning. With Easy Click interfaces, it's easy to reduce setup time. Simply click the elements into the surface to configure the table top to the surgeon's specifications. Bracket interfaces allow for quick and easy setup of table components. Patients can remain on the table top throughout the whole procedure without repositioning – from airlock through recovery.
	• To ensure that the Operatingtable tops are transferred correctly, the head of the column should always be moved into the horizontal position by activating the 0 position

function using the hand control and/or by retracting the transporter and activating the "height up/down" function on the column.

- Thereshould be two receivers on either side of the Operating column to enable the movement functions to be activated using the IR hand control and to enable these functions to be accessible under operating conditions at all times.
- In order to control the motor-powered functions on the Operatingtable top, the Operating table column should have a contact interface through which the necessary voltage is supplied.
- Column and base cover should be Chrome nickel steel. The operating table tops are equipped with side rails enabling accessory adaption (10 x 25 mm).
- Transponder recognition Transponder technology for recognition of individual tabletop configurations
- Collision warning: The system control, in combination with transponder technology, is able to trigger a collision warning if necessary. The warning is sounded in the form of an acoustic signal and a hand control message.
- Automatic recognition of accessories attached to the back or leg sides by means of transponder technology. An additional manual setting, for example, reverse, is not needed.

Technical specifications:

- Lower back up / down:90° / 90°
- Upper back plate up / down:90° / 110
- Leg sections down / up: 90° / 100°
- Longitudinal shift: 400 mm
- Permissible load of the operating table top:
  - Maximum patient weight without restrictions in the adjustment of the operating table system: 250 kg

- Height (without pad): 628 – 1168mm
- Trendelenburg / reverse Trendelenburg 45° / 45°
- Lateral tilt left / right 28° / 28°
- Automatic 0 position function
- Operating table column design in protection class I, type B.
- The enclosure leakage current refills the requirements defined in IEC 60601-1-1 and 60601-2-46 is to be furnished by means of a certificate by an internationally approved, for patient leakage current in accordance with CF.This is to be evidenced by means of a CE declaration of conformity. Furthermore, evidence of observance of the valid standards according to independent testing institution.
- CE compliant in accordance with the regulations of the applicable EU directives; MDA class 1, Patient leakage current CF, Splash guard IP X 4, Protection class I, type B
- Certification : USFDA & CE certified

Operating table top with transporter:

1. PediatricTable topof 365 mm width, patient weight capacity of upto 135 kgs.Transporter with electrical Trendlenburg and Tilt facility.
2. Leg holder Goepel knee crutch for pediatric- 1 pair
3. Pneumatic Leg holder for pediatric- 1 pair each for 3-6 years and 7-11 years

Optionally Universal Operating table top with transporter:

Universal Operating Table top.

Motor-powered adjustment	Yes
Length without add-on parts	1,720 mm
Carbon fibre	No
Longitudinal shift (motor-powered)	475 mm

	<table><tr><td>Lateral tilt</td><td>+/- 28°</td></tr><tr><td>Inclination</td><td>+/- 45°</td></tr><tr><td>Width without side rails Width with side rails</td><td>510 mm 550 / 610 mm</td></tr><tr><td>Height adjustment</td><td>720 - 1,210 mm</td></tr><tr><td>Max. weight capacity</td><td>380 kg</td></tr><tr><td>Add-on parts available</td><td>Yes</td></tr></table> Transporter with electrical Trendlenburg and Tilt facility. **Accessories for General Surgery** <table><tr><td>Goepel knee crutch</td><td>2</td></tr><tr><td>Radial Setting Clamp</td><td>2</td></tr><tr><td>Fixture for body supports</td><td>3</td></tr><tr><td>Back-buttocks support</td><td>1</td></tr><tr><td>Pubis-sacrum-sternum support</td><td>1</td></tr><tr><td>Lateral Support</td><td>1</td></tr></table>
Neonatal Incubator	**Main features** a. It should be microprocessor controlled unit. b. It is intended to be used in NICU for dual purposes (Incubator & warmer). c. It should have both air and skin temperature control facility. d. Skin temperature probe should have a length of at least 150cm for KMC. e. It should have integrated servo-controlled humidity facility (30% to 90%) f. Volume of hood should be more than 150 cm^3 excluding mattress tray. g. Height from mattress up to top of the hood should be more than 16 inches. h. Floor to mattress height should be adjusted between 30" to 45". i. It should have a hole at top for access to feeding tube. j. It should have access panel on all sides k. It should be lined with double side walls. l. It should have at least four access doors with at least 4 tubing's grommets. m. It should have iris ports. n. Noise level inside the hood :< 50 dBA. o. Mattress tilt angle: 12◦ (±1) continuously variable p. Mattress tilting facility control should be available from outside q. It should be supplied with radio translucence mattress. r. Mattress size at least: 15" X 28". s. It should have integrated weighing scale t. It should have integrated weighing scale u. Accuracy of weighing scale: ±10 gm v. Resolution of weight range: ± 5 gm w. Range (weighing scale): 400g -5000 g. x. Trolley should have at least 4 castors with friction brake. y. It should have integrated storage space.

	z. It should have IV pole attachment facility. • It should have illumination light for helping in performance of procedures. • It should have servo controlled oxygen delivery system (oxygen sensor- life time) **Display:** a. It should have a colour LCD display b. LCD display brightness adjustment facility is available in at least 3 levels. c. It should display temperature (Skin and air), humidity, alarms and weight **Data trending facility:** It should have integrated 24 hour trend display with the following features: a. Real time data trending of air temperature. b. Real time data trending of skin temperature (two). c. Real time data trending of heater power in %. d. Real time data trending of humidity. e. Data trending of weight for 7 days. **Air temperature control with following features:** a. Should have visual display for air temperature control. b. Air mode control temperature range: 20◦ C - 37◦C. c. Adjustment of desired temperature value in steps of ± 0.1◦ C d. Drop of air temperature after 10 min opened one side panel: <2◦C e. Air display drop after opening the main access panel for 10 min:1◦C **Skin temperature control with following features:** a. Should have facility for two skin temperature probe connections. b. Monitoring of central and peripheral temperatures. c. Air mode control temperature range:20◦C to 37◦C (±0.1◦C) d. Skin mode control temperature range: 34◦C -37◦C (±0.1◦C) e. Temperature rise time at 22◦C ambient (12◦C) : <40 min. f. Air flow velocity across mattress at 10 cm above mattress: <10 cm/sec. g. Temperature variability: <0.5◦C. h. Visual display should indicate that skin-temperature control in on. i. Heating automatically switched off in the event of sensor failure. j. Heating automatically switched off in the event of sensor disconnection

	Operating as Radiant warmer: a. The same incubator can be used as Radiant warmer. b. It should have two control modes: manual & servo. c. Heating element: Calrod/ceramic/quartz d. Must have two control modes: servo/manual e. Heater output: to be increased in steps of 5% **Servo control of relative air humanity:** a. It must have integrated servo humidity control b. Should have integrated humidity sensor. c. Humidity control operating time without refilling at 36◦C (air) at 85% RH: 24 hours. d. Water container can be made sterile. e. Humidity control range of relative air humidity from 30% to 95%. f. Adjustment of relative air humidity in increments of ± 1% g. Accuracy of humidity control: ± 6% (10% to 90 % at 20◦C to 40◦C) h. Humidity control reservoir capacity: at least 1000 ml. i. Stabilization of the relative humidity response to a 10 min open 2 ports. **Alarms:** a. Baby hot /high temperature- once skin temperature is >0.5◦C higher than set temperature **b.** Baby cold/ low temperature – once skin temperature is >0.5◦C lower than set temperature c. Heater failure: malfunction of radiant heater. d. Probe failure: malfunction of either skin or air probes. **e.** Air temperature: >38◦C **f.** Skin temperature: > 37.5◦C **g.** Disconnected skin probe **h.** Fan failure **i.** Power failure **j.** System failure **k.** Humidity failure **l.** Humidity probe failure **m.** Weighing scale failure **Cleaning** a. Access door gaskets and tubing should be made accessible for applying disinfectant b. Inner wall should be accessible to apply wipe disinfection c. Humidity reservoir should be autoclavable at 121◦C d. Inner surface of hood, sensor module, walls are accessible to use disinfectant. **Power** a. Power requirement:220-240 VAC @ 5 amps, 50-60 Hz

	b. Power cord: should not be less than 3 metre in length and to be fitted with Indian plug. **Environmental conditions** a. Operating temperature: 20◦C to 40◦C b. Humidity: 15% -95% RH c. Storage temperature: 10◦C to 40◦C d. Operating humidity: 15% to 90% RH e. Storage humidity: 15% to 90% **Standards, Safety and training** a. Certified to be complaint with ANS/IEC60601.0.12-01 Medical Electrical Equipment –Part 2-12. b. Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress. c. Reusable skin probe d. Reusable air probe e. Tubing port f. Ventilator tube holder g. Soft bed/ Mattress h. Reusable cover/ positioner i. Fresh air filter j. Humidifier reservoir k. Heat reflecting patch for probe **The equipment should be USFDA &CE approved**
Patient Safety Remote Monitoring and Notification System	The system should provide remote monitoring of patients in high dependency unit/wards and provide notification in case of any change in condition of patient. The system should monitor the patients by the bedside and relay the data to a central monitoring station from where the patients can be monitored. The notification system should be capable of sending alarm notification to care givers and should have auto escalation features for providing fool proof redundancies. Auto escalation should be programmable as per the care area need It should be suitable for all types of patients: Adult, Pediatric, Infant and Neonate Patient monitor should provide continuous, simultaneous measurements and displays of the following parameter: 1. SpO_2 2. Pulse rate 3. Perfusion Index 4. Pleth variability Index 5. Non Invasive Blood pressure monitoring Should have the facility to measure these parameters for spot check and at fixed time arrival Should be able to measure SpO_2, Pulse rate, Perfusion Index, Pleth variability through same singer finger probe Bedside monitor have selectable SpO_2 averaging Modes: - 2. 4, 8, 10, 12, 14,

	seconds and sensitivity –APOD, normal, and max. Central monitoring station should be color touch screen at least 21" size Central station should have choice for selecting multiple domains and monitor up to 40 patients at a glance in one single screen Central monitoring display should have choice of icon and or numeric views, to quickly investigate patient alarms Should have facility of comprehensive review of trend data with window selection of 10 minutes to 96 hours display on the central monitoring system Should have alarm notification system with multiple options including proprietary paging system and enterprise paging system System should be complete with paging transmitter and pagers (at least 10 no's) with provisions for auto escalation System should allow 3rd party messaging with gateways that comply to TAP 1.6/1.8 over Ethernet or HL7 Individual patient monitor should have rotational color touch screen with automatic, change to horizontal or vertical view Patient monitor should have facility to customize display to see parameter, waveforms or trend patient monitor should have function with facility to select one or two parameters and move, expand or collapse parameter trend for real time analysis Individual monitor should have inbuilt battery backup of at least four hours Display and measurement range, resolution and accuracy of beside monitor should be as follows: I. Display and Measurement range (Adult/Infant/Paed) 1. Plath variability Index 0-100% 2. Oxygen Saturation (Spo2) 0-100% 3. Pulse rate (PR)- 25-240 bpm 4. Index (PI) 0.01.20% II. Resolution (Adult/Infant/Paed) 1. Oxygen Saturation (SpO_2) 0-100% 2. Pulse rate (PR) -1bpm III. Measurement range and accuracy (Adult/Infant/Paed) 1. Saturation range : 70% to 100% 2. Accuracy in no motion : 2% accuracy in motion -3 % accuracy in low perfusion -2% 3. Pulse rate range :25-240 bpm 4. Accuracy in no motion – 3bpm accuracy in motion -5bpm. Accuracy in low perfusion – 3pm The system should be USFA and CE approved product The manufacture should have ISO certification for quality standards Should comply with following standards a. Safety standards: ANSI/AAMI/ ES 60601-1, CAN/CSA C22.2 No 60601-1 IEC/EN 60601-1 b. Pulse Oximeter: Standards: ISO 80601-261 c. Alarm Standards: IEC 60601-1-8 class B d. EMC Standard : EN60601-1-1-2, class B e. Degree of protection : Type BF, Defib proof Should have Masimo or Nelcor Technology for SPO_2 measurement The system should have the capability of connectivity/ Integration with hospital hI7 admit, discharge and transfer (ADT) system for patient data

	management. Should also have provision for bedside patient association via ADT Should have option for integration into electronic medical record system using HL7 for automated documentation of patient data The system should support both wired and wireless installation The vendor should quote price for sensors valid for at least three years The system should be supplied complete with a. Central monitoring station minimum 21' touches screen and required hardware, server etc b. Bedside patient monitors with facility to measure and display – Spo2, Pulse rate, perfusion index, pleth variability index c. Reusable patient sensor d. B.P Cuff The equipment should be USFDA &CE approved
High Frequency Ventilator (Neonatal & Paediatric)	1. Latest State of art and high end model 2. The ventilator should be microprocessor controlled designed for neonatal & Pediatric use with possibility to upgrade with additional features. 3. Continues flow, pressure limited, time cycled ventilator design 4. Ventilator modes: should have following modes available in the unit a. IMV/IPPV b. CPAP including non-invasive ventilation c. SIMV, SIPPV/Assist control d. High frequency oscillatory ventilation with active inspiration and active expiration e. Volume targeted/guarantee mode of ventilation with ability to deliver and monitor tidal volume as low as 1-2ml (Range 2 ml to 200 ml) f. Pressure support mode of ventilation g. Apnea back-up ventilation Should have integrated high resolution LCD screen minimum 15" color display with touch screen facility for real-time display of scalar (Pressure, flow and volume against time) and loop (Pressure-volume, volume-flow and pressure-flow). Graphic display of at least 3 waveforms together out of choice of flow, volume and pressure versus time with a facility to freeze these waveforms. Facility for loops together with a facility to freeze the same. Should have graphical trend facility of data up to 24 Hrs. Digital display of FiO2, peak pressure, mean airway pressure, CPAP/PEEP, Expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, lung function monitoring including compliance, resistance, lung distention coefficient, (C2O/C) 8. Should have built-in logbook for recording events like various alarms integrated monitoring: Integrated volume and pressure monitoring i.e. monitoring of PEEP Pmax, Pmean and VT, MV and leak

	0 %. The volume monitoring should have NTPD to BTPS correction. 9. Monitoring of I:E, frequency and Spontaneous Frequency. 10. Setting range : a. Trigger flow/volume, leak adapted b. PIP 0 to 65 cm H20 c. PEEP/CPAP 0 to 20 mbar d. I:E ratio 1:0 to 1:10 e. Insp. Time 0.1 to 3 Sec f. Exp. Time automatic/ 0.2-30 seconds g. Frequency Up to 2150BPM h. Base Flow (VIVE) 1 to 30 LPM i. Synchronization Patient synchronization with adjustable flow trigger j. Integrated blender for Oxygen 21% to 100% k. Integrated nebulization facility /standalone nebulizer l. Integrated monitoring of FiO2 11. Monitoring of flow : At the Y piece with facility to activate or deactivate it 12. Ventilator should have following features in Pressure support/volume Guarantee: . It should be possible to give leakage adapted inspiratory trigger during pressure support to spontaneously breathing patients with a set volume guarantee. a. Volume guarantee should be regulated with lowest possible airway pressure within a set PIP. b. It should be possible to adjust the Volume Guarantee manually as per patient requirement 13. Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO2 high/low high PIP, low PEEP/CPAP, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book. 14. The ventilator should have automatic compensation for leakage and should monitor and display leakages 15. The ventilator should show trends of important parameters viz. C,R, FiO2, MAP etc. for evaluation of patient improvement. 16. Ventilator should be US FDA and European CE approved product. 17. Ventilator should be supplied with Good quality medical air compressor (European CE marked) 18. The servo Controlled Humidifier (MR 850) should be supplied along with Disposable/Reusable patient circuit. 19. Battery back-up (at least 30 minutes) Battery should be integrated and should provide backup to ventilator. 20. Should be supplied with ultrasonic nebulizer which should have capability to deliver particle size of <5 micron and to be used in both

	off and on line with ventilator. 21. Consumables prices should be freezed for 2 years. 22. The department will like to have a live demonstration of the equipment 23. Company should certify that model quoted is latest and not obsolete, and spares are Available for minimum 5 years after warranty 24. Company will provide life time warranty on oxygen sensor. 25. Company should have a functional local service setup for after sales service. 26. Must be supplied with each ventilator a. Ventilator on trolley with wheels and brake facility b. Integral medical air compressor c. Humidifier : Auto-clavable humidifier chamber (2 with each ventilator) d. Circuit Support arm e. 2 hose sets for conventional reusable neonatal ventilator circuit f. hose sets of disposable conventional neonatal ventilator circuit g. 1 hose set for reusable HF ventilation h. Bacterial filters 10 i. Flow sensors j. Oxygen cells k. Oxygen connecting hose l. Air connecting hose m. Test lung n. Heater wire o. Temperature probe p. Expiratory valve 27. The ventilator should have following options . RS 232C port for data transfer and software compatible with windows Communication interface with Laptop. a. PC software for archiving and analysis b. Provision for future software/hardware upgrades should be available c. Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory 28. Warranty period: . 5 years a. The equipment should be USFDA &CE approved
Transcutaneous Bilirubino meter	1. Measuring method should measure the optical density difference at two wavelengths to determine the yellowness of the subcutaneous tissue. 2. The instrument should be suitable for non-invasive bilirubin measurement of neonates with gestational age 27 – 42 weeks and 1 month post-natal age; body weight 900 grams to 4000 grams.

	3. Measurement range: 0.0mg/dL to 20mg/dL or 0 µmol/L to 340µmol/L 4. Error of estimate (SEE): ± 1.5mg/dL or ± 25.5µmol/L 5. It should measure readings at sternum and forehead. 6. No hidden cost of disposable should be required/reusable tip. 7. Should have alarms when measurements are greater than 20mg/dl or 340µmol/L 8. Can be used in all skin colors, >35 weeks gestational age, pre-phototherapy. 9. Light source should be Pulse xenon arc lamp 10. Light source should have life of more than 10000 measurements. 11. Light source checker should be built in to the charger base. 12. Should have detectors with Silicon photodiodes. 13. Should have Ni-MH battery as power source. 14. Protection type and level Internally-powered instrument, BF type 15. It should measure at least 400 single measurements when fully charged. 16. It should have operating temperature range from 100 C to 400 C 17. It should be light weight; less than 250 g. 18. It should be supplied with: Charger unit with a checker, AC adapter, Carrying case and wrist strap, Power cable adapter set. 19. USFDA &European CE approved
PC based Spirometer	1. Flow Sensor should of latest technology preferably Ultrasonic for TOTAL infection control 2. Easy to operate & Calibration free. 3. Should measures more than 63 parameters including F/V loop 4. Auto Interpretation 5. Runs from the USB port of any PC 6. Meets and Exceeds ATS/ERS Criteria 7. Bio calibration check feature. 8. Ready to use GDT interfacing possibility. 9. In-and expiratory real-time curve. 10. Should not influence of humidity, barometric pressure, contamination 11. Should be Auto QC 12. Sensor never ever in contact with sample 13. No cleaning , no maintenance 14. Extremely high accuracy for low flows(Resistance free measurements) 15. No down time 16. Should have Indian predicted values for Spirometry. 17. Life time free software up gradation. 18. Should be USFDA & CE approved. 19. Should with provided with compatible printer 20. Should be provided with Laptop with i5 processor, 4GB RAM, 1TB Hard drive and with pre-loaded Windows and MS office

	and Acrobat reader for PDF files. 21. PFT Filters 200Nos
High Flow Nasal cannula therapy device	1. Suitable for treatment of Hypoxemic patients with respiratory distress. 2. Suitable for use in ICU, wards, emergency department and home oxygen therapy. 3. One system for treating infants, paediatric and adult patients. 4. Inbuilt flow generator capable of delivering wide range of flows: 2- 25 litres in paediatric mode and 10-60 litres in adult mode. 5. Inbuilt Air/O_2 blending and FiO_2 monitoring. Facility to deliver wide range of oxygen concentrations (FiO_2) from 21 to 100 %. 6. Inbuilt heated humidifier. 7. Color display to monitor humidity setting, flow, FiO_2 and faults. 8. Visual and audible alarm indication for : Tubes disconnect Leaks, tube blockages, and Water out and hardware fault with error codes. Audible power failure alarm 9. Disinfection mode with heated disinfection tube for sterilization of the device after patient use. 10. Supplied with heated wire patient breathing tube and nasal cannula of different sizes. 11. Paediatric nasal cannula is made of kink proof material and has adhesive wiggle pads to stick on skin to facilitate kangaroo care. 12. Compatible for use on tracheostomy patients. 13. USFDA and European CE approved. 14. Compliant with international safety standards and regulations. 15. Company owned Service centre in India.
Infant weighing scale	1. It should be a digital electronic scale. 2. Should have capacity weighing range of 0-20 kg with an accuracy of ± 5 gm 3. Weighing unit: Standard display in grams. 4. Pan size: 630 x 300 mm ± 25 mm 5. Pan material: Fibre resistant plastic (pupe coated) 6. Display: Bright LED or LCD display for easy viewing. 7. Should have functions TARE, Auto-HOLD and Automatic switch-off
Peritoneal dialysis Unit	Meets requirements of CSA, CE mark, and UL. AUTO DIURNAL FILL Programmable LINE POWER, VAC 100/115/220, 50/60 Hz Height, cm 17-20 WEIGHT, kg 10-15 DIALYSIS CYCLE Preheat time, 2 l 15-25 min Fill volume, ml 60-3,000

	Fill time limit, min	Fill to volume with slow-flow alarms
	Dwell time, hr	0-50/min increments
	Drain time, min	Drain to volume/empty with slow-flow alarms
	Fill/drain method	Gravity-emulation pump with disposable cassette
	Patient low drain, % volume return	60-125, programmable
	Others	Negative ultrafiltration, slow flow, check line, check lines and bags, therapy programming error, self-test, slow drain, patient position
	MICROPROCESSOR DISPLAY	
	Ultrafiltration	Per cycle, total accumulation
	Fill/drain volume	1 mL increments
	OTHER ATTRIBUTES	Automatically maximizes dwell time based on desired completion time; programmable last fill; tidal therapy; high-dose (OptiChoice) therapy; auto prime and flush; open-drain capability; low-fill mode available for smaller patients; PRO card programming keeps 60 days of programming.
	FDA CLEARANCE	Yes
	CE MARK	Yes
	CERTIFICATION	The equipment should be USFDA &CE approved
ABG Analyzer/ Blood gas analyzer		
	Sample Type	Blood, plasma Urine
	Quantifying parameters	Sodium, Chloride, Potassium, Calcium, Bicarbonate, Creatinine, lactate , ammonia, CO_2, O_2, anion gap, glucose, Hb
	Sample Size	Variable
	Sample Application	syringe, sample cup, collection tube, capillary
	Analysis Time	50 seconds
	Sample Rate	60 samples/hour
	Calibration	fully automatic
	Data Management	quality control storage: 3 levels, 3 months, showing mean, SD and CV
	Correlation Factors	user programmable for sample types: blood, urine, dialysate types
	Normal Values	flagging of abnormal results; user programmable ranges
	Standby Mode	user or automatically controlled
	Diagnostic Program	user-controlled diagnostics with easy to understand messages
	Electronics	microprocessor controlled; memory for last 40 error

	messages Display: dot matrix, 2 lines Printout: built-in, thermal roll printer; 16 characters wide Languages: on-board; English Computer Interface: Latest version Power Requirements: 110 - 240 V, 50/60 Hz (self-adjusting), with back up Data Link: Interface to COMPACT 2 and 3 Blood Gas Analyzer Relative Humidity: 5 %- 95%, non-condensing Weight: Up 10 Kgs (22lbs) approx. Dimensions: (12-16 × 10-15 × 11-16 in) Approvals: CSA/USFDA & CE
Portable BP Machine	CUFF SIZE: • Neonate: 6-11cm (2.4-4.3 in) • Infant : 11-19cm (3.9-7.5 in) • Child: 18-26 cm (7.1-10.2 in) • Small Adult 20-28cm (7.9-11 in) • Large Adult : 33-47cm (13-18.5 in) • Thigh : 46-66cm (18.1-26 in) • Set of 6 cuffs , different size (w/o Small Adult) Adult/Paediatric Wrapping Sensor **Pulse Rate** Range: 0-254bpm, Resolution:1bpm Accuracy: ±1bpm, Alarm range:0-254bpm **In General** Compact and portable, easy to use Suitable for adult, pediatric and neonatal patient. Large color LCD display of NIBP, SPO2 and Pulse rate Adjustable audible and visual alarms Real-time ambulatory monitoring.24 hours storage and review of date. All date can be transferred to a PC through Windows-based software for review and print. Battery and AC operated Method: Oscillometry Mode: Manual/Automatic/continuous Measurement Range:25-260mmHg(Max:280mmHg) Automatic Measurement Interval:5,10,15,30,45,60,90 minutes Resolution: Imm Hg Overpressure Protection:300 mm Hg The equipment should be USFDA &CE approved
Ambulatory Blood Pressure Monitor	**NIBP** 1. Measure Method: Oscillometry 2. Measure Mode: The upper arm measure 3. Automatic Measure Interval: 15, 30, 60, 120, 240 minutes 4. Measure range: Pressure:0kPa (0mmHg)~38.67kPa (290mmHg) 5. Resolution: 1mmHg 6. Accuracy: ±3mmHg 7. Alarm parameter: SYS, DIA 8. Inflation: automatic inflation by force pump 9. Deflation: automatic inflation by force pump **PR**

	1. Deflation: automatic multistep deflation 2. Measure range: 40bpm～240bpm 3. Resolution: 1bpm **Safety** 1. Power supply: DC 3V (2×1.5V AA alkaline dry battery) 2. Safety type: internally powered device, type BF applied part with defibrillation protection **Accessories** 1. Cuff for children various sizes 4 pc 2. CD (PC software) 1 pc 3. User manual 1 pc 4. USB data line 1 pc 5. USB data line 1 pc 6. Pack 1 pc **Physical characteristics** 1. Dimension:10-12 cm(L) ×6.5 7.0cm (W) × 3.5-4.0cm(H) (without packaging) 2. Weight:<300 g (with battery) **Operational environment** 1. Temperature: 5 ˚C～40˚C 2. Relative humidity: 15%～80% The equipment should be USFDA &CE approved
Comprehensive Urine Chemistry Analyzer	Sample Type: Urine, dialysate, aqueous stds, QC Quantifying parameters: Urine: Sodium, Chloride, Potassium, Calcium, Bicarbonate, Creatinine, Protein, Magnesium, Uric acid, Oxalate, Citrate, Cysteine, Phosphorus. Sample Size: Variable Sample Application: syringe, sample cup, collection tube, capillary Analysis Time: 50 seconds Sample Rate: 60 samples/hour Calibration: fully automatic Data Management: quality control storage: 3 levels, 3 months, showing mean, SD and CV Correlation Factors: user programmable for sample types: blood, urine, dialysate types Normal Values: flagging of abnormal results; user programmable ranges Standby Mode: user or automatically controlled Diagnostic Program: user-controlled diagnostics with easy to understand messages Electronics: microprocessor controlled; memory for last 40 error messages

	Display	dot matrix, 2 lines
	Printout	built-in, thermal roll printer; 16 characters wide
	Languages	on-board; English
	Computer Interface	Latest version
	Power Requirements	110 - 240 V, 50/60 Hz (self-adjusting), with back up
	Data Link	Interface to COMPACT 2 and 3 Blood Gas Analyzer
	Relative Humidity	5 %- 95%, non-condensing
	Weight	Up 10 Kgs (22lbs) approx.
	Dimensions	(12-16 × 10-15 × 11-16 in)
	Approvals	CSA/USFDA & CE
ECG Machine		
	Feature	**Specification**
	Instrument type	Multi-lead resting echocardiograph
	Input channels	Simultaneous acquisition of all 12 leads
	Standard leads acquired	I,II,III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
	Additional lead groups	Upto three additional groups can be labeled using any combination of 6 precordial leads with V1, V2, V3, V4, V5, V6, V7, V8, V9, V3R, V4R, V5R, V6R and V7R lead labels
	Waveform display	Backlit, 17"color LCD with 1280 x 1024 resolution
	Input impedance	Meets or exceeds the requirement of ANSI/AAMI/IEC 60601-2-25
	Input dynamic range	
	Electrode offset tolerance	
	common mode rejection	
	Patient leakage current chassis leakage current	Meets or exceeds the requirement of ANSI/AAMI ES 60601-1
	Digital sampling rate	40,000 samples/s/channel used for pacemaker spike detection; 1000 samples/s/channel used for recording and analysis
	Miscellaneous features	Best 10 automatic capture of the best quality 10 second ECG from upto 20 minutes of full disclosure; Alternate lead placement selecdtion with default for pediatric, right sided, posterior and any combination of user-defined precordial lead labeling
	Optional	Connectivity with bidirectional

	functions	communication; supports bar code scanners with 39, 128 and 2 capabilities; AM12™ acquisition module, equivalent in size and weight to a traditional patient cable
	Paper	Smart (210 x 280 mm), perforated Z-fold thermal cued paper with full grid; 250 sheets stored in paper tray.
	Thermal printer	Computer-controlled dot array; 1 dot/ms horizontal, 8 dots/mm vertical
	Thermal printer speeds	5, 10, 25, or 50 mm/s
	Gain settings	5, 10, or 20 mm/mV
	Report print formats	Standard or Cabrera: 3+1, 3+3, 6, 6+6 or channel
	Rhythm print formats	3, 6, 8 or 12 channel with configurable lead groups
	Keyboard	Glass keyboard with alphanumeric keys, soft-key menu, dedicated function keys and touchpad printing device
	Frequency response	0.05 to 300 Hz
	Filters	High performance baseline filter; AC interference filter 50/60 Hz; low-pass filters 40 Hz, 150 Hz, or 300 Hz
	A/D Conversion	20 bits (1.17 microvolt LSB)
	Device classification	Class I, Type CF defibrillation – proof applied parts
	ECG Storage	Internal storage upto 500 ECG's
	Weight	22 lbs. (10 kg) including battery (without paper)
	Dimensions	15.5 x 20 x 5.5 in (39 x 51 x 14 cm)
	Power requirements	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable lithium-ion battery with support for a second optional battery
	Certification	The equipment should be USFDA &CE approved
Holter machine	1. Sampling accuracy: 12 bit 2. Lead slelction : Standard 12 leads 3. Noise level ≤ 30 µVp-p 4. Memory: Removable SDHC card (2 GB) 5. Frequency response: 0.5 to 55 Hz 6. CMRR: ≥ 60 dB 7. Time constant: ≥ 3.2 sec 8. Scan speed: 25 mm/sec 9. Scale voltage: 1 mV 10. Least measuring: 50 µVp-p 11. Sensitivity: 10 mm/mV **Display** Display size: 1 inch OLED	

	On screen display: Single lead ECG at a time, battery and real-time clock **Power supply** Battery: Single AAA Battery backup: 48 hours **General** Degree of Protection: Type BF Dimensions: 80.5x59.5x22 mm Weight: 61.5 gm (without battery) **Environmental conditions** **Operation** Temperature: 5O◦C to 40◦C Humidity: ≤80% non condensing Atmospheric pressure: 500 to 1060 hPa **Storage** Temperature: 1◦C to 50◦C Humidity: ≤93% non-condensing Atmospheric pressure 500 to 1060 hPa Holter analysis software • Full analysis of HRV (Heart rate variability) with option of short (5 min) and long range (1 hr) analysis. • Analysis function including templates: Arrhythmia analysis module, Template replay module, Order replay module, HRV analysis module, QTD analysis module, HRT module, TWA module, VCG module, VLP module, TVCG module and parameter definition module • Full disclosure data • Digital filters to eliminate baseline drift • Various trend graphs: HR, ST of each lead, VE and SVE, T of each lead • Statistics of arrhythmia, ST variety • The equipment should be USFDA &CE approved
A. **B. Pediatric video-endoscope with facilities for biopsies with video processor.** **B. Pediatric ERCP scope with accessories**	**One Endoscopic Workstation**: For complete High resolution/High definition video endoscope system for Upper and Lower Gastrointestinal Pediatric endoscopy which the following equipments: A. One video endoscope image processor system which must have the facility to provide the images with processor compatible with below mentioned items, B,C and D, compulsorily and have separate outputs (HD-SDI, rgb, dv, dvi, s-video and composite) for monitor/screen view and Desktops/PC for images and video storages compatible with HD/High resolution imaging for videos and image stills. The system should also have a slot for Memory/CF card//USB for image storage. The endoscope system must be suitable to produce high definition / high resolution and magnified images of GI tract.

C. Pediatric colonoscope	The light source system should be separate or inbuilt with the image processor supplied with high intensity Xenon lamp source. B. Upper gastrointestinal video endoscopes with standard accessories which include: 1. One Ultrathin (Neonatal) endoscope with following specification i. Viewing direction – Forward i. Observation range – 3-100 mm i. Field of view – Minimum 120 degrees or more . Distal end diameter – 4.9-6.0 mm . Bending or angulation range UP-200 degrees or more, down -90 degree or more, Right and Left 100 degrees or more. i. Forceps or Instrument channel diameter – 2.0 mm or more i. Working length – 1100 mm or more i. With standard accessories 2. One thin (Pediatric) Endoscope with the following specifications: i. Viewing direction – Forward i. Observation range – 4-100 mm i. Field view – 120 degrees . Distal end diameter – 8.5 to 9.5 mm . Bending capability-Up-200 degrees or more, down -90 degrees or more, Right and Left 100 degrees or more i. Forcep channel diameter-2.8 mm or more i. With all standard accessories C. Lower GI endoscope (colonoscope) system with accessories i. Viewing direction – Forward i. Observation range – 3.100 mm i. Field of view – 140 to 170 degrees . Distal end diameter – 9.6 mm to 11.8 mm . Flexible portion diameter – 11.8 mm or less i. Bending capacity – Up and down 180 degrees or more, Left and right 150 degrees or more. i. Forceps channel diameter – 3.2 mm or more i. Working length – 1330 to 1700 mm or more . With all standard accessories D. LCD/Led Medical Grade screen or monitor for A), B) and C), and capable of HD Videos and image stills with display size of 19 and 20 inches i. 19-21 inch LCD/LED colour High definition (HD) Professional/medical grade monitor i. Compatible with HDMI interface i. High purity RGB colour filters . Excellent brightness and contrast . Should have a wide viewing contrast both horizontally and vertically

	E. UPS/Voltage stabilizer for the above. F. Movable trolley with brakes to accommodate the above. G. Pediatric ERCP Duodenoscope i. Distal and diameter 11.2 mm with all standard accessories i. LCD Monitor for ERCP with specification as above (in D) H. C-arm for ERCP I. The equipment should be USFDA &CE approved
Multichannel impedance and pH monitoring system	1. Stationery 2. Impedance and pH recorder: 1 No. 3. Impedance and Ph recording catheters with following specifications • 9 mm and 12 mm length with one antimony pH monitoring electrode and seven impendence rings with 1.5 cm and 2 cm distance respectively between impendence rings. pH monitoring probes located in centre of most distal impedance channel and an internal reference electrode alongwith all reagents and accessories • The equipment should be USFDA &CE approved
Baloon Gun	CRE Baloons Size: 8-10 mm and 10-15 mm
High Resolution Video Pediatric Bronchoscopy system	**Video Bronchoscope (Paed.) :** Should have following specifications : • Lighter and possess high resolution image quality. • Compatibility with Electrocautry & Laser • Should have High resolution image, and insertion tube capability to move in left/right directions by 120 degree. • Four or more no. of remote control switches on control body. • Compatible with leakage testing device with its air flow and pressure regulation through light source's air pump. Field of view : 110 degree or more Direction of view : 0 degree, forward viewing Depth of field : 2 to 50 mm or better Distal end outer diameter : 4.2 mm or less Insertion tube outer diameter : 4.1 mm or less Tip Bending rage : Up 210 deg & more, Down 130 deg & more Working length : 600 mm or more Channel inner diameter : 2.0 mm or more Minimum Visible distance of : 3 mm or closer from distal end. All standard accessories must be quoted separately. Biopsy forceps, grasping forceps compatible with quoted bronchoscope **Video Processor Module** : Should have following technical specifications/features : Separate module from light source. Must have High resolution HDTV and Narrow band imaging capabilities to visualize minute vessels and fine capillaries.

	Should have structure and edge enhancement level for observation of smaller structures on mucosal surface d have scope identification function. d have electronic magnification from 1x to 1.5 x. d have Output : HDTV : RGB : VBS composite (NTSC/PAL),Y/C and RGB. d have capacity to store patient data of 40 patients. -Digital-to-Digital recording provision for both Still & Moving images. -Picture-in-Picture display for endoscopic images, fluoroscopic images etc. drive slot for transferring images. **<u>300 Watt Xenon Light Source</u> :** Should have following technical specifications/features : Separate module from videoprocessor Powerful 300 Watt Xenon Lamp with backup lamp of Halogen (atleast 35 Watt) Lamp life should not be less than 500 hrs (approx) Should have inbuilt air pump -Automatically adjusts light intensity to achieve ideal illumination -Automatically switches off when the unit has not been used for an extended period of time. Power requirement: 100-240 VAC with frequency of 50/60 Hz. Should have weight not more than 17 kg. **<u>High Resolution Monitor :</u>** 26" High resolution LCD medical grade color monitor. HD Compatible. Company should have good service support infrastructure and preferably service centers in all major cities. All quoted product should be US FDA approved and have CE certified. **<u>Radial Probe Driver Unit & Radial Probes</u>** :Should provide at least one radial probes working at 20 Mhz OR more frequency and compatible with 2.0 mm working channel of Bronchoscope which helps to access peripheral lungs. Moreover, should quote at least 10 compatible Guide sheath kits for biopsy & cytology.
Pediatric Rigid broncho scope	1. Bronchoscope for Children: Size—3.0 outer diameter 5mm with light carrier, length 26cm. 2. Bronchoscope for Children : Size—3.5 outer diameter 5.7mm with light carrier, length 40 cm 3. Bronchoscope for Children : Size—4.0 outer diameter 7mm with light carrier, length 40 cm 4. Bronchoscope for Children : Size—5.0 outer diameter 7.8mm with light carrier, length 40 cm 5. ventilation device(adapter/prisms for respirator), 4 glass plug & 4 rubber plug for each bronchoscope to hold optical forceps. 6. Fiber –optic cable of 2.5mm diameter and 2 meter length-2 in number. 7. Cold Light source Halogen 250W-1 in number.

	8. Optical forceps for size 3.5 to 5.0 size bronchoscope- tips design of universal type.-1 in number. 9. Optical forceps for size: 3.5 to 5.0 size bronchoscope- tips design of grasping type.-1 in number. 10. Optical forceps for size: 3.5 to 5.0 size bronchoscope- tips design of alligator jaws -1 in number. 11. Telescope 0 degree to fit in above (S.N-10, 11, 12) optical forceps- Two in number. 12. Telescope 30 degree to fit in above (S.N-10, 11, 12) optical forceps- One in number. 13. Coagulation electrode to fit in exiting Shalya make cautery machine 14. Forceps alligator for hard Foreign bodies double action Jaws, sheath diameter 2mm, Length 45cm-2 in number. 15. Forceps alligator pointed serrate for double action Jaws, Sheath diameter 2mm, Length 45 cm- 2 in number. 16. Forceps alligator for double action Jaws , for peanut and soft foreign bodies, width of jaw 3.3mm, Sheath diameter 2mm, Length 45 cm-2in number. 17. Aspiration tube : 5m diameter, size 450mm length-2 18. 3mm diameter size 450mm length-2 19. 6mm diameter size 500mm length -2 20. Trolley to sterilize and station the instruments at one place. 21. CE & USFDA approved
Pediatric PCNL Set	1. Nephroscope for mid size children (3-7 years)-size 17-21 Fr; approx. 200-240 mm Length; degree of view should not be less than 6-12 degree; angled or parallel eye piece; 10-11 Fr working channel; Fibre light transmission incorporated; Light post adapter for Storz, Olympus and Wolf light cables. 2. Dilatation systems (suitable for above 17-21 Fr nephroscope)- Metallic Telescoping Dilation set, 9-18 to 20 Fr (One) along with two rigid and two flexible guide rod/wire. 3. Operating sheaths (suitable for above 17-21 Fr nephroscope)- 22-24 Fr Sheath with obturator (One). 4. Operating sheaths (suitable for above 17-21 Fr nephroscope)- Amplatz Sheath, 24-27 F- Five. 5. Fascial dilator-suitable for above 17-21Fr nephroscope-One 6. Forceps (suitable for above 17-21Fr nephroscope)- stone grasping forceps – 5 No's 7. Forceps (suitable for above 17-21 Fr nephroscope)- three pronged stone grasper – 5 No's. 8. Forceps (suitable for above 17-21 Fr nephroscope)- grasping forcep fenestrated jaw for stone fragments – 5 No's 9. Nephroscope for larger children (7-12 years)- size 24 Fr and approx 190-210 mm length; degree of view should not be less than 6-12 degree; angled or parallel eye piece; Fibre light

	transmission should be incorporated; Light post adapter for storz, Olympus and Wolf light cables. 10. Dilatation systems (suitable for above 24Fr nephroscope)-Metallic Telescoping, Dilation set, 9 to 24-27 Fr along with two rigid and two flexible guide rod. 11. Dilatation systems (suitable for above 24 Fr nephroscope)-Dilator – 24 Fr and Dilator 30 Fr. 12. Operating sheaths (suitable for above 24Fr nephroscope)-24 Fr Sheaths with obturator one only. 13. Operating sheaths (suitable for above 24Fr nephroscope)-26-27 Fr Sheath with obturator-one only. 14. Fascial dilator- (suitable for above 24 Fr nephroscope)-One. 15. Amplatz Sheath with or without obturator-24-27 Fr compatible with the above 24F nephroscope – five only. 16. Forceps (suitable for above 24F nephroscope)- stone grasping forceps- 3 No's 17. Forceps (suitable for above 24F nephroscope)- three pronged stone grasper – 2 No's 18. Forceps (suitable for above 24 F nephroscope)- grasping forcep fenestrated jaw for stone fragments – 2 only. 19. Appropriate rigid storage cases for above scope, sheath and accessories (three) Approx. 5"deep, should have three silastic bars that can accommodate 12-15 pieces of instrumentation and more, so if have short items; should be useful for sterilization, storage and transport. 20. The equipment should be USFDA &CE approved
Pediatric Laparoscopy set	1. Optical Veress Pneumoperitoneum Needles and Telescope – Dia 3.2 mm a. With spring action blunt stylet b. With insuffulation stopcock c. Diameter – 3.2 mm d. Length – 17.5 cms e. With telescope lock for use with miniature telescope. 2. Miniature Telescope a. 0 degree b. Diameter – 2 mm c. Length – 20 cms d. Autoclavable e. With fibre Optic Light Transmission 3. Veress Pneumoperitoneum Needle a. With spring action blund stylet b. With insuffulation stopcock 4. Telescope a. 0, 30, degree b. 2.5 mm, 5 mm diameter c. Length – 18, 24 cms

	d. Autoclavable e. Fiber optic light transmission 5. Trocar-3 a. Diameter- 2.5 mm, 6 mm b. Working length- 4 cms, with pyramidal tip c. Cannulla Leaflet Valve, Silicon leaflet valve d. Working length – 8.5 cms 6. Trocar-2 a. Diameter – 6 mm, 3.5 mm, 10-11 mm, b. With Blunt tip, with pyramidal tip c. Cannulla with Luerlock connector d. Silicone Leaflet Valve e. Working length – 10 cms, 8.5 cms, 5 cms f. Curved scissors g. Blade length- 6 mm 7. Scissors a. Length- 30 cms b. Diameter – 3 mm c. Serated, curved and conical, micro hook scissors d. Blade size – 10 mm, 15 mm, 6 mm 8. Pylorotome a. Length – 20 cms b. Diameter – 3 mm 9. TAN Endotome a. Length – 20 cms b. Diameter – 3 mm c. U spring handle with ratchet d. Including knife 10. Coagulating and dissecting electrode a. Length – 30 cms, 20 cms b. Diameter – 3 mm c. L shaped d. With connector for Unipolar coagulation 1. Suction and Coagulation Cannula a. Length – 30 cms b. Diameter – 3 mm c. With connector pin for unipolar coagulation 2. Menghini liver biopsy needle a. Size – 3 mm b. Length – 30 cms c. Luer lock 3. Ultramicro injection needle a. Size – 3 mm b. Length – 30 cms 4. Needle Holder a. Ultromicro needle holder b. With tungsten carbide jaws

	c. Straight handle d. With ratchet e. Size – 3 mm f. Length – 20 cms 5. Needle holder a. Size-3 mm b. Length – 27 cms c. Axial handle with Ratchet d. Straight blade, curved blade 6. Knot tiers a. Size – 3 mm b. Length – 30 cms c. Open and design d. Atraumatic 7. Suction irrigation tube a. Size – 3 mm b. Length – 30 cms c. With two way stop cock d. With adapter for use with handles 8. Single clip applicator for titanium clips: Diameter 10 mm for medium-large clips, Diameter 5 mm for small clips. 9. The equipment should be USFDA &CE approved
Patient Warming system	1. Patient warmer should provide precise temperature management to help keep the patient safe and comfortable. • Precise temperature settings controlled within +/- 1°C • Over-temperature alerts at each set point (37°C, 40°C and 43°C) 2. The safety circuit provides an independent means of shutoff which discontinues power to the heater. This is designed to prevent patient exposure to excessive temperatures. 3. Occlusion Indicator indicating that an occlusion in the hose or blanket has been detected. 4. Hose – End Temp Control - Monitoring and control of actual temperature of air at hose end being delivered to the patient. 5. Patient warmer's sound level should be less than 42dBA. 6. 4 rectangular openings at the hose end ensures positive air flow if hose end is occluded . 7. Disposable blanket should be made of 2 layers of non-woven polypropylene fabric bonded to a layer of polyethylene which gives a fabric like feel to the blanket. 8. 50 paediatric blankets with each machine. 9. Should have drop test Compliance IEC 60601-1 Ed. 3.1 . 10. Should have vibration test Compliance IEC 60068-2-64 Ed. 2.0 . 11. Should have Filtration system media of at least 99.97% or greater for 0.2 mm size particles. BFE & VFE efficiency 99.999% tested per ASTM F2101 .

	12. Should be U.S. FDA approved. 13. Company owned service centre in India.
Pediatric thermal blanket	• To prevent intraoperative hypothermia in pediatric patients during major surgeries. • Consist of active warming arm-cum-shoulder section, pair of leg segments and 1 double segments to cover the entire body. • Size Double segment (30-35) cm x (65-70) cm • Arm and Shoulder section (130-135) cm x (25-30) cm • Leg segment (30-35) cm x (50-55) cm • Double segment and arm cum shoulder segment should have two temperature sensors each for precise temperature control. • Double segment and arm cum shoulder segment should be divided in two section capable of being switched ON or OFF independently depending upon the nature of surgery and condition of patient. • Should have a control unit to regulate warmth to every area precisely by use of carbon fibers. • Control unit should be capable of warming at least three segments at a time. • Should offer precise digital temperature control with selectable temperature range of 30 to 40◦C in steps of 0.5◦C control panel should display intended and actual temperature. • Should have safety features such as automatic check, precise temperature control between warming system and patient. Autostop on detecting any problem. • Should have non latex anti-bacterially coated, blood and fluid resistant covers. • Covers should be washable, autoclavable and replaceable. • The control unit should be light weight not more than 2.5 kg, small in size (25x10x20 cms approx.) and easily attachable to IV rod/OT table with fixing claw. • Should have low energy consumption and noiseless operation. • The equipment should be USFDA &CE approved
Bipolar and Unipolar electrosurgical Cautery machine	1. Should have Monopolar and Bipolar (Combined Unit). 2. Should be able to operate with Indian Standard Mains Supply Power – 220 – 240 Volts AC. 3. Should have 50 – 60 Hz frequency. 4. Monopolar should have different mode. Cut, Blend, Soft and Spray facility. 5. Bipolar Coagulation with precise micro coagulation. Should be between .5 – 9.5 watt with an increment (stop) of 0.5 watts. 6. Should have 300 watts for Monopolar and at least 80 watts for Bipolar. 7. Should have standard Accessories Monopolar Handle, Cable, Foot Pedal (Double), Bipolar Forceps like Cable, Neutral Plate, Cable and Electrodes.

	8. Microprocessor controlled H.F. Unit is must. 9. It should be facilitated with three types of Neutral Electrode System (Divided, Undivided Silicon and two surface Adhesive Electrodes). 10. Should have common Foot Pedal for Monopolar & Bipolar so that output power is controllable from 0 to 100%. 11. Should have Membrane Key Button with Digital Display. 12. Should have alarm and Error Display Facility for Safety of Patient and operator. 13. Should be compatible to be used with any bipolar saline jet Irrigation system. 14. Should be supplied with an Equipment cart or Trolley for easy transport in operation theatres. 15. Should be supplied with at least 10 no. of monopolar Electrode handles with finger push buttons, various surgical working probe electrodes with a container rack and **20** of connecting cables (plug US standard **reusable).** 16. Should be supplied with at least 10 no. of Byonated Bipolar Electrode of different length & sizes and **20** of connecting cables with (Plug with round pin connector's **reusable).** 17. Optional Accessories for hypophysectomy surgery and endoscopy surgery must be provided in the bid separately. 18. The equipment should be USFDA &CE approved
Neonatal Whole Body Cooling Unit/ Neonatal Hypothermia Unit	1. Micro-processor based servo-controlled neonatal whole body cooling-warming system 2. Should be able to cool body up to 30oC. 3. Ability to re-warm body to normal temperature at a user selected rate 4. Should work for a neonate weighing up to 5 kg 5. Should monitor esophageal or rectal temperature and use that for servo control 6. Continuous display of set temperature, measured temperature of esophagus or rectum, measured temperature of skin, measured temperature of mattress 7. Alarms for high and low temperature if deviation from target temperature >10 C, electricity failure and system failure 8. System should be mounted on a sturdy compact trolley with castor wheels and brakes 9. Ability to transfer data to portable media/computer. If any software or cables needed for this, they should be supplied 10. Memory of set and measured parameters for at least 96 h 11. If the system needs fluid for cooling, the fluid should be safe for baby's skin and its composition should be provided 12. Essential accessories to be provided: i. Reusable rectal/esophageal temperature probes: ii. Reusable skin temperature probes: iii. Reusable wrap around mattress for

	neonate: iv. Mattress repair kit: 2 13. Display 6.5" LCD Color display 14. **Operating parameters** • Automatic treatment by program • Set to constant rectal temperature • Control to constant mattress temperature a. Adjustable Range of setpoint treatment temperature: Mattress +12◦C + 39◦C b. Cooling time of the mattress temperature from 20◦C to 12◦C: 10 Minutes c. Temperature stability: < 0.3◦C d. Maximum pressure in the system: 0.5 bar e. Flow: Approx. 500 ml/min (depending on mattress size) **15. Alarm system/patient safety** a. Alarm types: Optical (flashing LED) and acoustic alarms b. Sound pressure level alarm power failure: Approx. 63 dB (A) c. Sound pressure level other alarms (system error, low fill level, temperature error, flow rate error): Approx. 57 dB (A) d. Lower temperature alarm limit: +10◦C e. Upper temperature alarm limit: +41◦C **16. Electrical characteristics** a. Electrical connection (rated voltage): 100-130 V and 200-240 V, 50-60 Hz b. Max. power consumption: 350 W c. Fuses (2 pieces): d. Ground leakage current: < 400µA e. Permissible power cord: Max. 2.5 m long, connection to protective contact plug The equipment should be USFDA &CE approved
Bubble C-PAP	• Suitable for treating newborns with respiratory distress weighing 500gms to 5000gms. • CPAP pressure with oscillations should be generated by creating resistance in water column and bubbling of exhaled gas in the water column. • The system should be suitable for both CPAP and high flow nasal cannula therapy. **<u>Humidifier</u>** • It should have servo controlled heated humidifier with following features : Temperature and flow sensor with feedback mechanism. Monitoring temperature of gas at chamber end and near patient end additionally temperature of airway, chamber and heater plate. Display for temperature of saturated gas. Modes: intubated and mask mode. Humidifier should be USFDA & CE certified **Alarms**

- High temperature and low temperature.
- Water out alarm / POP off pressure adjustment.
- Heater adaptor faulty/ disconnect.
- Temp cum probe faulty / disconnect.
- Hardware faults.

Delivery system

- The patient heating circuit should have integrated spiral heated coil for uniform heating.
- The delivery system should have Maximum Input Flow- 15L/min and maximum mean CPAP- 15cmH20.
- Humidification chamber should be auto feed with dual float system
- Chamber Compressible volume 260- 300 ml
- Max peak flow should be 180ltr/min.
- CPAP Bubble generator should have adjustable probe for pressure settings 3-10 cm of H20.It should have detachable overflow container to maintain constant water level.Volume for generator ~ 500ml.
- The system should have safety mechanism with pressure relief valveand ports for pressure and Fio2 monitoring. Pressure relief should be 17 cmh20 and above @8L.

Air/Oxygen Blender

Oxygen % Range: 21 to 100%
Oxygen % Accuracy: ±3% of full scale
Supply Pressure: 30-75 psi (207-517 kPa) Air & oxygen must be within 10 psi (69 kPa) of each
other.
Dual Integrated flow meter .Left flow meter 0-15 lpm and right flow meter 0-3.5 lpm
Alarm/Bypass Reset: when inlet gas pressure differential is ≥6 psi (42 kPa).
Alarm Intensity: 80 dB at 1 foot

Interface

- Nasal prongs/ masks of silicon of at least five different sizes useful for babies weighing between 750-1250g, 1250-1750g, 1750-2000g, 2000-2500g. Where the resistance to flow at pressure port of nasal tubing should be 0.4 cm H20, 0.6cmH20 or 0.2cm/H20.
- Flexible nasal tubing with glider technology from block and fixingguide with sizes ranging from 50mm to 100mm where resistance toflow should be 0.49cm/H20,0.53cm/H20, 0.55cm/H20 respectively flow of 6 lit/min.
- Infant caps of following sizes: 17-22, 22-25, 25-29, 29-36cm Circumference.
- Nasal cannula of preterm and term sizes. Cannula should be kink proof and have hydrocolloid based adhesive to secure on skin and facilitate kangaroo mother care.
- Nasal masks suitable for preterm and term babies.
- Nasal masks should be interchangeable to nasal prongs.
- The mask should be soft and anatomically shaped.
- It should have mobile trolley to fix Humidifier, CPAP generator and monitor and pole with castors & IV hook and mounting brackets Gas supply lines to blender.

	CERTIFICATION: The entire system including Air oxygen blender should be USFDA &CE approved.
Laryngoscope	**Laryngoscope Adult and Pediatric** 1. Should supply 4 different size standard blades and one handle for adult and pediatric separately and one short stubby handle and additional Mccoy Blade. 2. Should be stainless steel matt finished of high quality material. 3. Should provide curved blades. 4. Should be provided with battery. 5. Should provide spare bulb-06 No's 6. Should be provided with a storage box. **Laryngoscope for Neonatal** 1. Should supply 2 different size standard blades and one handle. 2. Should be stainless steel matt finished of high quality material. 3. Should provide strait blades 2 number each. 4. Should be provided with battery spare bulb-06 No's 5. Should be provided with a storage box.
Elisa Reader E21 (Blood Bank)	Principle: Absorbance Wavelength:405,450,492,630nm Measurement Range: 0.000-2.500 Abs Read Range: 0.000- 3.500 Abs **Resolution** Display: 0.001 Abs Linearity: r= 0.995 Accuracy: 1.0% or 0.007A **Reading Speed** Continuous mode: <5 sec Step By step mode: <15 sec Test mode: Single and Double wavelength, auto test Display: 5.7" LCD color display Input: Touch panel and pen or external mouse Data Storage Capacity: 500 tests & 10,000 test results. Lamp: OSRAM 64607,8V/50W **Operating Conditions** Temperature: 10C-40C Humidity:20%-85% Store Condition:20C-50C **Output** Standard: Internal Thermal printer Optional: External Printer Dimensions: LWHmm:450330140 weight : 10 kg Power supply: AC 110V -250V, 50-60Hz The equipment should be USFDA &CE approved
Elisa Washer W21	Dispense Precision:<5% CV at 350µl;2% at 300µl Residual Volume:<3µl standard; <1µl (double aspiration)

	Display:90mm53mmLCD Data storage Capacity: 50 user programmed wash protocols Manifold: 8 pins standard Operating condition: 10°C-40°C Store Condition: 1°C-40°C Dimensions: 405343175mm Weight : 12 kg Power Supply: AC 200-240V, 50/60Hz/150W max The equipment should be USFDA&CE approved
Tube Sealer	Power Supply: 100-240 V A.C Input Frequency: 50/60Hz Continuous Operation RF output power:20W – 30W RF Output Frequency:40-41 MHz Tube Detection : Automatic Maximum Diameter of the tube that can be sealed: 6mm Sealing Time: Weight : 1-3 sec . Adjustable. Weight : 5.00-6.5 Kg Dimension in mm: WDH:150-160270-280140-150 Approx.
Centrifuge	Inner Chamber: Aluminum Max. Speed : 8000 rpm Max. rcf : 9874 g Max. tube volume: 200ml Max. Capacity: 1200ml Controls Digital timer: 0- 99 Minutes Max Speed: 0-8000 rpm Rotors supplied Type: R- 239 Capacity: 3615 ml.A.H. Max. Speed: 6900 rpm Max. Capacity: 540 ml Dimensions: 400500455 mm
Gel-Id Incubator 37SII	Dimensions (W/h/D): 31cm/19cm/34cm Weight: 6 Kg Power Requirements:110-240V Frequency : 50-60 Hz
Gel-Id Centrifuge	Speed: 1030 rpm Dimensions(W/H/D): 30 cm/18 cm/36cm Weight: 6.2 kg Power Requirement: 110-240V Frequency: 50-60 Hz
Compound microscope	**Body**: Binocular, sturdy, stable base body with focus adjustment controls. **Eye piece:** Paired, high quality, (the image of the object as seen through the binocular eyepiece should be well defined centrally in at

	least 2/3 field of view), achromatic, wide field, 10x with inbuilt pointer. The eyepiece should be aplanatic and have a minimum field number of 18 Diopter adjustment must be present on one/ both eye pieces or on the eye piece tube. **Objective:** Three objectives10x, 40x, 100x. 10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively and should be of spring loaded type or otherwise.100x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type. All objectives should be wide field, achromatic and parafocal. **Nose piece:** Revolving nose piece to accommodate a minimum of three objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust proof metallic/ebonite caps. **Stage:** uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine vermier graduations (minimum reading accuracy of 0.1 mm). The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide. It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. **Sub-stage condenser:** Abbe-type condenser, numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating an spherical lens and an iris-diaphragm. The condenser should have a filter holder and removable/ swing in/ out blue filter (suitable for bright field Microscopy). **Sub-stage illuminator:** The system should have a build-in variable light source (Illuminator). This light source should have a 20 W, 6 V Halogen lamp. The circuitry for the light source should include a constant voltage supply. The system should be provided with a step down transformer and an on-off switch and intensity control. The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb, **Power supply**: Voltage 220 V AC, 50Hz. Should have one on-off power switch, 3 core power cord with a 3 point male plug. The system should have an inbuilt protective/ safety device to withstand fluctuations of voltage from 140 V to 280 V. **Eye piece tubes**: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74 mm or wider, covering the above mentioned range. **Focusing knob**: Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) over the entire coarse focusing stop safety arrangement should be provided. **General:** All optical parts including objectives, eye pieces and prisms

	should have anti-reflective coating which also gives anti-fungal property. All metallic parts should be corrosion-proof, acid proof and stain-proof. Working manual should be provided with each microscope. Microscope should be supplied with all spare parts including Fuses. All consumables required for installation and standardization of system and microscope cover to be given free of cost Should be US FDA or CE or ISI approved product. Three years warranty, 5 yrs comprehensive AMC should be available with service centers in close proximity. User/Technical/Maintenance manuals to be supplied.
Vortex mixer (shaker)	1. Vortex with Compact Design, suitable for short-time operation. 2. Wide speed range: 0-2500rpm/min, step less speed regulation of motor. 3. Different applications and multi-inters (e.g. Eppendorf tubes, micro titer plates, Erlenmeyer flasks 250ml etc.) 4. Adapter securely clicks onto application in any position. 5. Sturdy cast casing. 6. Special designed silicon on feet to absorb vibration at high speeds. 7. Eccentric with coil less ball bearings.
ELISA reader and Washer (Microbiology)	1. Should have 96 wells and should have reading capability of 1 to 96 wells individually. 2. Should have a linear measurement range of 0 to 3.000 Abs. 3. Should have wavelength range from 340 to 750nm. 4. Should have a photometric accuracy of ±3% or better. 5. Should have a resolution of 0.001Abs. 6. Should have variable speed plate shaking capability. 7. Should have easy access 8 position filter wheel 8. Machine should be supplied with 4 standard filters. 9. Should have automatic filter selection. 10. Should have automatic calibration before each reading. 11. Should have at least 6 second reading speed. 12. Should have facility for storage of calibration curves. 13. Capable of doing multi standard tests and controls. 14. Should have different types of blanking facility like air wise and well wise. 15. Should be capable of reading U, V and flat type wells 16. Should be capable of reading 8 or 12 well strip plates. 17. Should use halogen light source and two spare bulbs should be provided. 18. Should have internal thermal printer and 5 rolls of thermal should be supplied along with the unit. 19. Should have external printer connectivity option. 20. Should operate with or without a computer. **21.** Should work with input 200 to 240V, 50 Hz supply.

	ELISA washer 1. Should have capability to wash flat, U or V bottomed micro plates or 8 or 12 well strip plates. 2. Should have 8 or 12 way manifold. 3. Should have 25 wash program memory or more. 4. Should have programmable washing time, volume and soaking time. 5. Should have minimum 6 wash cycles. 6. Should have continuous operating cycle. 7. Should have residual volume less than 5µl. 8. Should have removable and autoclavable plate carrier. 9. Should have in-built vacuum and dispensing pumps to ensure accurate and quite washing. 10. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment. 11. Should have solution based wash buffer intake. 12. Should work with input 200 to 240V, 50 Hz supply. 13. Should be supplied with pure sine wave UPS of sufficient capacity with minimum 30 minutes back up time and dust cover for both machines. 14. Should have safety certificate from a competent authority CE & FDA (US) / STQC CB certificate / STQC S certificate. Copy of the certificate / test report should be produced along with the technical bid.
Portable EEG Machine	**Amplifier :** a. 32 Channel Amplifier with inbuilt SPO_2 having atleast 8 channels configurable as bipolar AC and atleast 1 channel for DC to connect external devices. b. CMRR should be > 115 dB or better c. Noise < 1.5µV peak to peak d. Input Impedance > 100 M ohm e. 16 bit ADC resolution or better f. Channel Crosstalk < -40 dB g. Sampling Frequency : 2000 Hz h. Should have facility to extend the amplifier electrode connection to small headbox so that patient can carry the electrode box to washroom, if required. **Acquisition Software:** a. Facility to combine all user defined settings into templates or protocol, for use in different applications. b. Facility for Individual Channel Control, Customization of Montages, along with Remontage Capabilities. c. Facility to define new Sensors should be possible i.e assign to amplifier inputs, define traces in a montage, define calculated channels (Average, Source), or define trends. d. Facility to click any point to display corresponding traces &

	Slide pointer to change displayed duration of the Overview. e. Facility for sortable list of all events placed in the recording, both automatically and manually. f. Facility to review and add events to recorded traces. g. Facility for automatic time counters and event insertion during Hyperventilation. h. Facility to controlled display Sensitivity for User defined value. i. Facility to choose Low & High Cut Filters along with facility to enter any user defined value. j. Facility of configurable Time Base. k. Paging facility as Automatic Paging, Mouse controlled Paging and/ or Keyboard Paging. l. Playback of EEG for one or more channels. m. Facility for Zoom/ Magnify EEG trace. n. Facility for Copy & Paste of EEG or Trends to reports and presentations o. Facility for Automatic generation of reports. p. Facility for viewing several recordings in tiled or cascading windows. q. Facility to archive to CD or DVD, powerful search, and patient folder. r. Continuous impedance testing of electrodes during acquisition video data editing capabilities with and without EEG data. s. EEG video data recording facility on CD / DVD in readable format on other PC's without use of special software. Photic Stimulator: a. Should be strictly based on White LED, FDA approved for medical EEG use. b. Photic Stimulator with software programmable for manual or automatic sequences. c. Pole Stand from manufacturer to be supplied for sturdy fixation. **Accessories for the units must include:** a. EEG Cup Electrodes Gold Plated – 5 Sets b. EEG Paste – 20 Boxes of 225 Gms each c. Nuprep Paste – 10 Tubes of 114 Gms each d. Patient Event Switch – 1 No. **Patient Data Management:** SQL Based Patient information database and data management, Role Based user management folders with audit trial for technicians, physicians and administrator. **Recording Computer:** Laptop With Core i5 processor with 4 GB RAM or better, 1 TB SATA HDD, DVD Writer, Optical mouse, Laser Printer, UPS, optical mouse, key board, Customized Trolley. **Compliance / Regulatory Standards:** The quoted model must be Strictly US FDA &CE Approved.

Automatic Tissue Processor with Integrated Vacuum	1. Microprocessor controlled Carousal type Tissue Processor with 9 freely selectable programs. 2. User programmable parameters like infiltration time delay time, vacuum on-off, agitation on-off and 100 cassettes capacity. 3. Programmable infiltration time from 5 min to 99 hours 59 mins in 1 increment. 4. Instrument should have up-down agitation in 3 sec intervals with on/off function for thorough and even mixing of reagents. 5. Delay start-up function to upto 9 days advance. 6. Drain time of 60 sec in each station to reduce carry over contamination. 7. Reagent containers of 1.5--2 liters with seals to minimize evaporation and expose the hazardous fumes. 8. Vacuum for all stations mandatory and Vacuum pump must in integrate in the instrument 9. Vacuum should be appox 0.4 - 0.5 bar. 10. Maximum safety concept with automatic immersion of the tissue basket into the beaker in case of power/UPS/Battery failure. 11. The program should resume where interrupted once mains power is restored. 12. Audible alarms, error messages and warning codes for maximum safely. 13. Should have Anodized Aluminum reagent vessels with handle to remove the vessels. 14. Wax bath with temperature adjustment from 45-65 degree Celsius. 15. Thermostatically controlled wax bath and excess temperature cutout facility at 80 Deg Celsius. 16. Electronic locking facility to avoid inadvertent operation. 17. Facility of manually lift the carousal and remove tissues in case of long power failures. 18. Two different type of Activated Carbon Filter System with advance safety concept. 19. The equipment should be USFDA &CE approved
Paraffin Embedding Module	1. Microprocessor controlled two-piece tissue embedding system consisting of heated paraffin station and separate cold plate. 2. 4 liters paraffin reservoir with temperature setting range from 50°C to 75°C in 1° increments. 3. 5.7 inch LCD display and integrated capacitive touch keys. 4. The paraffin flow is activated by means of a height-adjustable, pivotable clip - activated either manually by pushing or via a foot switch with controllable flow rate. 5. Working start time and end time settings. Weekly working days setting with real time setting. 6. Continuously adjustable paraffin flow rate with rectangular shaped Peltier cooling unit integrated cold spot in front of the nozzle.

	7. Provide the rapid heating function for quicker paraffin melting. 8. Provide the error message for operation condition monitoring. 9. Optimum illumination of the working surface by LED lamp, controlled by the key on LCD control panel 10. Large heated working surface and integrated mold tray and cassette bath with temperature adjustment from 50 to 75 deg C in 1 deg increments. 11. Cassette bath and mold tray should be interchangeable to accommodate change in embedding work flow with capacity of approx. 100 cassettes. 12. Programmable for weekly timer, work days, work starting time, work end time, real time and day of week for automatic switch on and off the instrument. 13. Cold plate of a constant temperature of -6◦C. 14. Cold plate capacity should be minimum 65 standards cassettes. 15. The equipment should be USFDA &CE approved
Semi-Automatic Rotary Microtome	**1.** Semi-automatic microtome with stepper motor driven specimen feed. **2.** Section thickness selection from 0.5µm to100 µm. **3.** Section thickness range : 0.5µm- 100 µm increment • 0.5µm-5 µm in 0.5 µm increment • 5 µm -20 µm in 1 µm increment • 20 µm -60 µm in 5 µm increment • 60 µm – 100 µm in 10 µm increment. 4. Trimming thickness setting from 1 µm to 600 µm with step trim function 5. Should have specimen retraction at 5 - 100 µm in 5 µm increments; can be turned off. 6. Should have slow forward and backward coarse feed speed atmim 300 µm/s, fast forward speed at min 800 µm/s 7. Instrument must have fast backward speed option not less than 1600 µm/s. 8. Instrument must have separate control panel to put right or left as per user choice. 9. The microtome should have two sectioning modes Manual and Rocking mode. 10. Semi-automatic microtome should have force balance system to eliminate the risk of injury by an unbalanced object head. 11. Instrument must have flat enlarge top surface area to keep accessories as per user choice. 12. Horizontal feed of minimum 24 mm via stepper motor and vertical stroke length of minimum 70 mm. 13. The instrument should have antistatic waste tray to reduce contamination and provides unmatched efficiency through shortened cleaning times.

	14. The instrument should have coarse feed wheel for user selectable course feed direction. 15. Specimen orientation of 8 degree both in x and y direction with precise movement marking on 2 degree step. 16. Rapid specimen exchange with programmable memory position 17. The instrument should be certified with CE & US-FDA certificates.
Hot Plate	1. Rectangular flattening table designed primarily for use within the field of clinical histopathology. 2. Paraffin-embedded tissue sections in all areas of biomedical research and routine diagnostics. 3. Slide capacity: approx. 48 slides 4. High temperature consistency used for maintaining specimens and solutions at required temperature for immunohisto chemical and enzyme-chemical application. 5. Ergonomic design ensures maximum user-friend-liness and easy cleaning. 6. Digital display, membrane keyboard 7. Temperature range from ambient to +75°C, set value memory with battery back-up. High temperature consistency (control accuracy approx. 0.2°C), working temperatures above +44°C indicated by flashing LED. 8. Set temperature displayed in addition to actual temperature. 9. Jet-black aluminium surface with special scratch-proof plastic coating ensures highest thermal conductivity.
Treadmill	Running surface: 420 x 1260 mm (16.5 inch x 49.6 inch) Incline Auto level: 0-20% Speed range: 0-16 km/hr Display: 5 Inch Heart rate sensor/Calorie monitor/Bluetooth/Aux Maximum weight on running node: 150 kgs Pre-programs • Shock Absorption • 7 layer diamond wake running belt • Speed/incline control on hand reels
IFT (Inferential Therapy) equipment	Carrier frequency: 2000 Hz/4000 Hz Base Frequency: 0-150 Hz (1 Hz Step) Sweep frequency: 0-150 Hz (1 Hz step) Sweep modulation Programs – 1/1s, 1/5, 1/5S, 6/6s Therapy modes 4 pole inferential 4 pole vector 90◦ 4 pole vector 45◦ 2 pole pre modulated

	Output current: 0-100 mA Timer: 0-60 mins General features: • Both medium and low frequency currents • Russian stimulation • 77 pre programs and condition wise with protocols • International standards Russian current • Frequency: 2500 Hz • Ramprise/Fall: 1-10 sec (1 sec step) • Burst: 50-250 Hz • Hold on 1-99 sec (1 sec step) • Hold off: 1-99 sec (1 sec step)