

JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

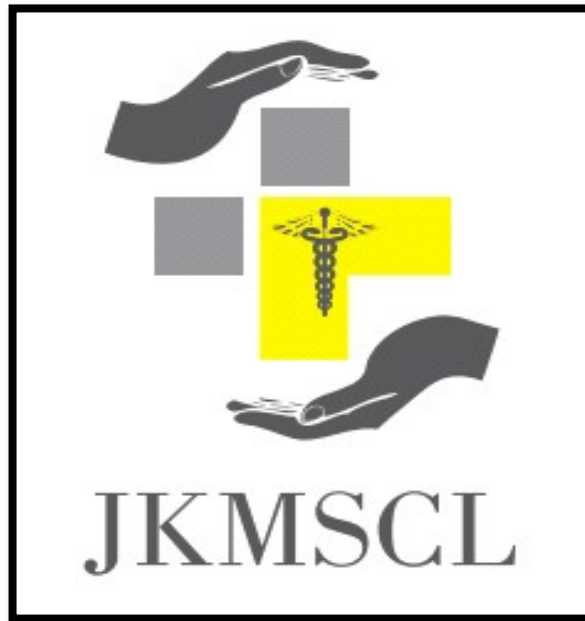
(Public Sector Undertaking of the Government of Jammu and Kashmir)

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

Telephone: 0191-2478842; 191-3510489 (Jammu), 0194-2490662 (Srinagar)

email:mdjkmscl2@gmail.com; ismjkmcscl2018@gmail.com **website:** www.jkmsclbusiness.com



E-BID FOR THE PROCUREMENT OF MACHINERY & EQUIPMENTS

(REFERENCE NO: NIT/JKMSCL/M&E/2024/ 614 DATED: 19/02/2024)

LAST DATE OF SUBMISSION OF ONLINE BIDS: 29-03-2024 upto 1600 hrs

Important Note: *Each page of e-Bid should be properly page marked and indexed. Page Number should be reflected at the bottom of each page. All documents requested in “Annexure-II”, should be reflected in the column mentioned against each (Page No. ____). Any deviation may result in rejection of the bid and the bidder shall be solely responsible for the same.*

BIDDING DOCUMENT FOR PROCUREMENT OF MACHINERY & EQUIPMENTS

Table of Contents

S.No.	Section	Description	Pages
1.	NIL	Bid Submission Letter	
2.	NIL	Notice Inviting Bid for uploading on Websites	
3.	I	Instructions to Bidders	
4.	II	Bid Data Sheet	
5.	III	Evaluation and Qualification Criteria	
6.	IV	Bidding Forms (BF)	
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8.	VIA	General Conditions of Contract (GCC)	
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10.	VIC	Contract Forms (CF)	

(To be submitted on letter head of Firm)

Bid Submission Letter
(Declaration Form)

Sub: - Regarding Bid submission for **NIT/JKMSCL/M&E/2024/ 614** **DATED:**
19/02/2024

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



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email: mdjkmscl2@gmail.com; ismjkmscl2018@gmail.com **website:** www.jkmsclbusiness.com

Tender No. NIT/JKMSCL/M&E/2024/614

Dated: 19 /02/2024

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/RTGS only** 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.** along with the submission of requisite valid documentary proof.

- **IMPS mode of transfer is not verifiable and hence shall not be entertained as tender fee or tender processing charges. Bidders claiming to submit money through IMPS Mode shall be out-rightly rejected.**
- **DD as mode of payment for cost of tender/tender processing fees/Bid Security shall only be entertained if the same is deposited physically against proper receipt in the Corporate Office of JKMSCL, before the closing due date of e-bid.**
- **Bid Security** Rs. 1,00,000.00 in the form of FDR/CDR/BG/RTGS/NEFT (FDR/CDR from scheduled/Nationalised Bank / BG from Nationalised Bank) with validity of 30 months. Bids submitted without sufficient bid security & validity shall be summarily rejected. **Firms which are registered as (Micro and Small Enterprise) MSEs Unit(s) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) shall be considered for Exemption of bid security including tender fee of Rs. 1000/- as per provisions of MSME Policy. Tender Processing charges of Rs. 9000/- is to be paid by the MSE Unit(s) also.**
- Physical hard copy of Bid Security in form of FDR/CDR/BG may be submitted to the Corporate Head Office before closing the due date of e-bid. Scanned copy of the same shall be uploaded along with Technical Bid, failing which bid shall be out rightly rejected.
- **The bidders seeking EMD exemption must submit the valid supporting document for the relevant category. Under MSE category only manufacturers for goods and service providers for services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.**
- **Scanned copies of NEFT/RTGS/Bank Transfer/Receipt towards the cost of tender documents and tender processing charges shall have to uploaded along with Technical Bid, failing which bid shall be out rightly rejected.**

Sd/-

Managing Director

Jammu and Kashmir Medical Supplies Corporation Ltd.

Note: The bidders who opt to bid for multiple manufacturer shall have to provide complete details of each manufacturers in a systemic way covering all documents asked in Cover-A. Separate sheet shall have to be attached for every individual item.



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email: mdjkmscl2@gmail.com; ismjkmscl2018@gmail.com **website:** www.jkmsclbusIness.com

BIDDING DOCUMENT FOR Procurement of Machinery & Equipment

Tender No. NIT/JKMSCL/M&E/2024/614 DATED: 19/02/2024

Date of publication of e-bid	: 19-02-2024
Start date and time for download of bid document	: 19-02-2024
Last date and time for download of bid document	: 29-03-2024 at 1600 hrs
Clarification start date	: 17-02-2024 at 1100 hrs
Clarification end date	: 29-02-2024 upto 1400 hrs
Pre- bid conference	: 29-02- 2024 AT 11.00 A.M (at Corporate Office, Jammu/Srinagar)
Start date and time for submission of online bids	: 17-02-2024 at 1500 hrs
Last date and time for submission of online bids	: 29-03-2024 at 1600 hrs
Date and time for online opening of technical bids	: 01-04-2024 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 Hajj 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 taxation department 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: -

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 (i.e upto 4.00 P.M of Pre-bid date). Bidders are requested to submit their queries/clarifications by or before the date fixed (mentioned above), so that the same can be discussed and clarified during the Pre-bid meeting.**
- 2. Google Code for prebid meeting :- <https://meet.google.com/ikq-wsxe-oph>**
- 3. E mail id for Prebid queries : prebid.jkmscl@gmail.com**

TABLE-1

S. No.	Item code	Name of the item	Average Annual turnover for last 03 years
1	SCI02	Fully Automatic Immunoassay Analyzer	05 Crore
2	ENT221	Rigid ESOPHAGOSCOPE a) ADULT OESOPHAGOSCOPE b) PAEDIATRIC OESOPHAGOSCOPE	05 Crore
3	ENT225	ENT RADIOFREQUENCY INDUCED THERMOTHERAPY UNIT	05 Crore
4	ENT228	SPEECH LAB - SPEECH ANALYSIS SOFTWARE	05 Crore
5	DHJ2315	Electronic max-min thermo hygrometer	01 Crore
6	DHJ2316	Glass Alchol thermometer	01 Crore
7	DHJ2317	Digital Maxima-Minima Thermameter (-100 to 60 °C)	01 Crore
8	DHJ2318	Digital Maxima-Minima Thermameter (0 to 300 °C)	01 Crore
9	DHJ2319	Dial Thermometer	01 Crore
10	MC2401	HIGH-SPEED ELECTRICAL DRILL SYSTEM FOR NEUROSURGERY	05 Crore
11	MC2402	TOF 3D (Neuromuscular Monitoring)	05 Crore
12	MC2403	Automated Plasma Expresser	05 Crore
13	MC2404	CARDIAC MONITOR WITH DEFIBRILLATOR	05 Crore
14	MC2405	Synthetic Cadaver System for Anatomy Teaching 5 Key and 8 Key Cell Counter	05 Crore
15	MC2406	FNAC plunger for 20 ml syringe	01 Crore
16	MC2406A	Craniotomy/Cranial Set	05 Crore
17	MC2407	LEYLA RETRACTOR	05 Crore
18	MC2408	LAMINECTOMY SET	05 Crore
19	MC2409	MIN SET MINIMILLY- (INVASIVE)	05 Crore
20	MC2410	URO-ENDOSCOPIC INSTRUMENTS Set	05 Crore
21	MC2411	Skullbase Surgery Set	05 Crore
22	MC2412	Spine Set Tubular Sequential Dilator System for Posterior Mid line Approach	05 Crore
23	MC2413	Exoscope ICG	05 Crore
24	MC2414	Camera Processor	05 Crore
25	MC2415	4K Camera Head	05 Crore
26	MC2416	EMBALMING MACHINE SYSTEM	05 Crore
27	MC2417	ELECTRO LOOP STERILIZER FOR ROUTINE DIAGNOSTIC TESTING OF OPD & IPD PATIENTS	05 Crore
28	MC2418	ICP MONITOR	05 Crore
29	MC2419	ICP Catheter	05 Crore
30	MC2420	EtCO2 monitor	05 Crore

31	MC2421	INTRA-OPERATIVE NEURO-MONITORING SYSTEM	05 Crore
32	MC2422	Air Way Cleaner	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 EMD in separate envelopes, 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 any compensation from the Jammu & Kashmir Medical Supplies Corporation Ltd.

DISCLAIMER

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 may 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 correct 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 receipt for cost of tender, tender processing fee 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 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.
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 Union Territory of J&K. 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 along with 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	<p><u>Important Instructions to bidders</u></p> <p>The bidders shall have to abide the clauses/restrictions in terms 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.</p> <p>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</p> <p>Model Certificate for tenders</p> <p><i>"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."</i></p> <p>Model Certificate for Tenders</p> <p><i>"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"</i></p>

Section-II: Bid Data Sheet (BDS)
Table of Contents

S. No.	Description	Pages
1.	Introduction	
2.	Bidding Document	
3.	Preparation of Bids	
4.	Submission and Opening of Bids	
5.	Evaluation and Comparison of Bids	
6.	Award of Contract	
7.	Redressal of Grievances during Procurement Process	

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 an 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:- Client Base on Letter Head of the Bidder / Manufacture/Indian Subsidiary of Principal Manufacturer with references of the supply orders, for any of the three years in last five years along with satisfactory performance certificate of minimum one installation (Copies of reference supply orders and satisfactory performance certificate need to be attached)
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 Latest 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 along with 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).
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, 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

Table of Contents

S.No	Name of Bidding Forms	Pages
1	Bid security	
2	Bid / Tender charges (Incl. Tender processing fee)	
3	List of Items Quoted (Annexure I)	
4	Technical bid submission sheet (Annexure II)	
5	Financial bid format (BOQ) (Annexure III)	
6.	Declaration and undertaking (Annexure IV)	
7	Client Base (Annexure V)	
8	Authorisation from principal manufacturer (Annexure VI)	
9	Average Annual Turnover Statement (Annexure VII)	

(Annexure I)

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	Make & Model quoted/ offered	<u>Quality Certification</u>				
							BIS License	ISO	CE	USFDA	Any Other

**Seal & Signature
(Authorised Signatory)**

(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/Wehave 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 120 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 3% 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	Manufacturer			
			M1	M2	M3	M4
1.	Bid security (as mentioned above)					
2.	Cost of Tender & Tender Processing charges					
3.	List of Items quoted by the Bidder mentioning name of manufacturer/ importer with make & model as per annexure.	Annexure I				
4	Copy of Catalogue of the Quoted product (self attested)					

5	Compliance Sheet for each equipment (self attested)					
6	Technical bid submission sheet duly filled	Annexure II				
7	Financial bid (To be uploaded in BOQ only)	Annexure III				
8	Declaration 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 duly notarised.	Annexure IV A				
9	Declaration for Latest Non Conviction, non blacklisting on non judicial Stamp paper of Rs 100 furnished by the Bidder as per proforma duly notarised.	Annexure IV B				
10	Client Base on Letter Head of the Bidder / Manufacture/Indian Subsidiary of Principal Manufacturer with references of the supply orders, for any of the three years in last five years along with satisfactory performance certificate of minimum one installation (Copies of reference supply orders and satisfactory performance certificate need to be attached)	Annexure V				
11	Authorisation from principal manufacturer / Importer (On the letterhead of Principal manufacturer / Sole Importer) <i>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 (strictly as per annexure VI)</i>	Annexure VI				
12	Average Annual Turnover Statement for Last 3 financial Years of the Indian Subsidiary of Principal Manufacturer/ Sole Importer issued by Chartered Accountant/competent authority with UDIN (2018-19, 2019-20 and 2020-21). <i>In case of foreign manufacturer the turnover of Indian Subsidiary/Sole Importer only shall be considered and not of the original manufacturer.</i>	Annexure VII				
13	Copies of Audited Balance sheet & profit loss account for last three financial years certified by Chartered Accountant of the Importer/ Indian Subsidiary for 2020-21, 2021-22 & 2022-23 with UDIN. <i>In case of foreign manufacturer the balance sheets of Indian Subsidiary/Sole Importer only shall be considered</i>					
14	Nature of the Firm/Public Company / Private Company/ Partnership/ Proprietorship/any other with Documentary proof.	Annexure VIII				

15	Self attested photocopy of IEC certificate and Permission/ Authorization for sale for sale from the foreign principle manufacturer (in case of imported product)	Annexure A (if applicable)				
16	Copy of GST Registration of the Bidder	Annexure B				
17	Latest GST Returns of the Bidder	Annexure C				
18	Copy of the PAN Card of the Bidder	Annexure D				
19	Quality Certifications on the products viz. ISI/CE/USFDA etc. whichever applicable.	Annexure E				
20	Name, photograph & specimen signature of the designated officer/ representative of the Bidder who is authorized to make correspondence with the JKMSCL, if any.	Annexure F				
21	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)	Annexure G				
22	Declaration of bidder regarding acceptance Bid for terms & conditions	Annexure A1				
23.	Copy of CDSCO Registration Certification, wherever applicable					

Important Note

- 1. The Bidders who opt to bid for multiple manufacturers shall have to provide complete details of each manufacturer in a systemic way, sequentially, covering all documents asked in Annexure “II”.**
- 2. Please Note the Annexure A “II” should be properly filled showing the page number when the asked document has been attached. All the documents attached with the technical bid should be properly page numbered.**

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..... of Firm).....

Dated..... Tel:.....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, Annexure All 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

Please read the amended BOQ as follows:

- i) The rates shall be quoted in the BOQ as per format mentioned below.
 ii) The rates of the accessories, if any, shall be quoted cumulative as per NIT.
 iii) The rates of the India items, if any, shall be quoted cumulative as per NIT

iii) The Rates of the India Items, if any, shall be quoted cumulative as per FIM															
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	
1	Main item														
2	Accessories, if any.														
3	Indian items, if any														
5.	Optional Items, if any														
6.															
CMC for 1st Year		CMC for 2 nd Year		CMC for 3 rd Year		CMC for 4 th Year		CMC for 5 th Year						Total amount CMC	
14		15		16		17		18							

Note: -

- The rate quote should be as per BOQ.
- CGST, SGST or IGST should be separately shown in absolute amount only.
- Rate should be quoted only for packing units as mentioned in the bid
- No quantity or cash discounts should be offered.
- Read all the terms & conditions before filling the Annexure III.
- Please quote rates in absolute amount only.
- Please quote rates per unit only
- The bidder shall not under any circumstances quoted "Zero" anywhere in the BOQ.
- Finalization of the rates shall be made on the basis of price quoted in BOQ
- Custom duty, if applicable shall be indicated separately.
- The final rates quoted at Column No. 13 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.
- 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 rates quoted for the CMC (Comprehensive Maintenance Contract) and Optional items shall not be considered for finalizing/deciding L1 rates.**

14. **Warranty of 05 years shall be applicable for Machinery and Two years of instruments.**

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

(For Imported equipment)

100% payment shall be released against 20% Bank Guarantee valid for a period of 12 months, to be submitted by the bidder. The BG shall be released on successful installation of the Machinery

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

1. At site LC would be opened.
2. 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 per 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 price of the manufacturer applicable in within India.
9. ***The L1 shall be calculated on the basis of conversion of currency as on date of opening of financial bid.***

Delivery Period shall be 60 days for Indian Items and 90 days for Imported items.

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

Important Note : Besides custom duty, the firm shall also mention Health cess and Social Welfare cess amount as applicable. Demurrage charges or late fee will not be paid by JKMSCL.

Note: The L1 of the Instruments shall be ascertained as per the cumulative rates on complete set basis. No individual (instrument) L1 rates shall be considered. The bidders have to quote minimum 95% of the instruments for qualification in the complete set.

Only the Rates reflected in the comparative sheet in the BOQ (as per format uploaded) shall be considered for ascertaining L1. No Separate rates quoted by the bidders in the BOQ shall be accepted.

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 warranty/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.
3. 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.
4. 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, Annexure 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

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 (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 up to 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

Client Base (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 for the offered equipments are as under **{Client Base of the Bidder/Manufacturer/Indian Subsidiary of Principal Manufacturer with reference of the supply orders, for any of three years in last five years along with satisfactory performance certificate of minimum one installation. (Copies of reference supply orders and satisfactory performance certificate need to be attached)}** :-

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 as mentioned above.
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:

Date :

Signature of bidder with Seal.

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 by 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 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.	1 st year	
2.	2 nd year	
3.	3 rd year	
Total		- _____ Lakhs

Average gross annual turnover _____ Lakhs

Note :

1. To be prepared strictly as per returns filed with Taxation Department & the statement 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 turnover certification.
4. **The Average Annual 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 outrightly rejected.**

Date

Signature of the bidder

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

(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

Section V: Schedule of Supply

Table of Contents

S. No.	Description	Pages
1.	List of goods and related services	
2.	Delivery and completion schedule	
3.	Technical specifications	
4.	Drawings	
5.	Inspections and tests	

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/Warranty period starts from the date of successful installation for a period of Five years.
1.4	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	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.
2.3.2	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% 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.	<p>Packing specifications</p> <p>Schedule for packing – General specifications</p> <ol style="list-style-type: none"> 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 <u>"JKMSCL Supply" for the year, "Not for Sale "</u> 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. <p>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.</p>
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	<p><u>For Payment through Letter of Credit (for imported items only)</u> 100% payment shall be released against 20% Bank Guarantee valid for a period of 12 months, to be submitted by the bidder. The BG shall be released on successful installation of the Machinery. Letter of credit would be opened subject to following additional conditions:-</p> <ol style="list-style-type: none"> 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. 6. The charges of the L.C charged by the Govt. shall be borne by the firm. <p><u>For Indian items :</u> Payment shall be made after successful installation and commissioning of the equipment duly certified by Head of the concerned department.</p>
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 All to e uploaded along with 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 and 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 % 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: A-III (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 along with 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, warranties 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.

	<p>"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.</p> <p>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.</p> <p>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.</p> <p>"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.</p> <p>"Consignee" Means the receiver of the stores as mentioned in supply order.</p>
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	<p>The bidder shall also submit the following documents and certificates along with the bid as per technical bid submission letter :-</p> <p>(i) A combined undertaking/declaration regarding that the quoted item :</p> <ol style="list-style-type: none"> 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, That the bidder is not black listed or banned or debarred by central or any state government or its append gages, Availability of spare parts and consumables for the quoted equipment for at least 10 years/life of the item, from the date of installation. <p>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).</p> <p>(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.</p> <p>PLEASE ALSO NOTE THAT: -</p> <p>(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.</p> <p>(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.</p>
2.7	<p>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.</p>
2.8	<p>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.</p> <p>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.</p>
2.9	<p>(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</p>

	<p>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.</p> <p>(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.</p>
3	BID SECURITY:
	<p>(i) Bid shall have to be accompanied with a scanned copy of FDR/CDR/BG/NEFT/RTGS as bid security. The 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.</p> <p>(ii) The bid security of bidder shall be refunded after the earliest of the following events, namely:-</p> <ol style="list-style-type: none"> the expiry of validity of bid security; the cancellation of the procurement process; or the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted. <p>(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.</p> <p>(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.</p>
4	FORFEITURE OF BID SECURITY: -
	<p>The bid security shall be forfeited if:</p> <ol style="list-style-type: none"> The bidder withdraws or modifies the offer after opening of financial bid, but before acceptance of bid, 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), The bidder does not deposit the 'performance security' after the supply order is placed/requested for signing the agreement, The bidder fails to commence the supply of the items as per supply

	<p>order within the time prescribed,</p> <p>(v) The bidder fails to submit samples/demonstration of quoted item on demand</p> <p>(vi) The bidder violates any of the terms & conditions of the bid document.</p>
5	WARRANTY CLAUSE:-
	<p>(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.</p> <p>(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.</p> <p>(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</p>

	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
	<p>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.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">JKMSCL SUPPLY (_____) NOT FOR SALE</p>
7	COMPARISON OF RATES:
	<ul style="list-style-type: none"> (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 any 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

	<p>and above the rates agreed pertaining to taxes, duties and fees etc. will not be entertained later on any account.</p> <p>(viii) No part of the bid document should be detached / deleted.</p>
8	SUBMISSION OF SAMPLES/CATALOGUES AND DEMONSTRATION
	<p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(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:</p> <ol style="list-style-type: none"> Name and full address of the firm Catalogue no. and name of the item Name of section Name of manufacturer Brand <p>(v) No change in marking on sample will be allowed after the submission of the sample.</p>
10	PERFORMANCE SECURITY (P.S.) AND AGREEMENT:
	<p>(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.</p> <p>(ii) The period of rate contract shall be 24 months from the date of</p>

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 @ 3% 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)/NEFT/RTGS. 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 3% of the total value of stores ordered for supply. The payment shall not be released against supplies until 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:-

	<ul style="list-style-type: none"> (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 : <ul style="list-style-type: none"> (i) Registration issued by registrar of companies under Registrar of companies Act 1956, in case of company. (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:
	<ul style="list-style-type: none"> (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	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.
12.2	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:
	<p>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.</p> <p>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 10%. Delay beyond 120 (for Indian products) and 150 days (for imported products) shall be treated as unexecuted and attract penalty @20%.</p> <p>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.</p> <p>IV. Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day.</p> <p>V. The maximum amount of agreed liquidated damage shall be 20%.</p> <p>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.</p> <p>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.</p> <p>VIII. If the Bidder is unable to complete the supply within the specified or</p>

	<p>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 within 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).</p> <p>IX. 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.</p> <p>X. 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.</p>
14	<p>(i) JKMSCL shall procure the machinery & equipment for the Health & Medical Education Institutes of UT of J&K inter-alia.</p> <p>(ii) The funds shall be transferred to JKMSCL with indent form and supply orders shall be placed by JKMSCL to suppliers.</p>

15	RECOVERIES
	<p>(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.</p> <p>(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.</p>
16	INSPECTION:-
	<p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(iv) If required, the consignee may refer inspection committee to match</p>

	<p>the specification with available reserved sample with the corporation which is submitted by the firm/supplier at the time of technical approval.</p> <p>(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.</p>
17	PACKING AND INSURANCE
	<p>(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 or 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.</p> <p>(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.</p> <p>(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.</p>
18	REJECTION
	<p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(iv) No payment shall be made for defective/incorrect items. However, if</p>

	<p>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.</p> <p>(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.</p> <p>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.</p>
19.	CORRECTION OF ARITHMETIC ERRORS
	<p>Provided that a financial bid is substantially responsive, the procuring entity will correct arithmetical errors during evaluation of financial bids on the following basis:</p> <ul style="list-style-type: none"> (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. <p>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.</p>
20	PROCURING ENTITY'S RIGHT TO VARY QUANTITY:
	<ul style="list-style-type: none"> (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
	<p>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.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(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</p> <p>(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).</p> <p>(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.</p> <p>(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</p>

	<p>document on depositing the required amount. Such bidder is eligible for the placement of purchase orders for the item quoted by them.</p> <p>(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 placed 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.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>
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 bid 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:-
	<p>(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 anywhere in India. 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 of India 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.</p> <p>(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.</p>
26	COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST:
	<p>Any person participating in a procurement process shall-</p> <ol style="list-style-type: none"> 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; Not misrepresent or omit misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation; Not indulge in any collusion, bid rigging or any-competitive behaviour to impair the transparency, fairness and progress of the procurement process; Not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process; 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; Not obstruct any investigation or audit of a procurement process; 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.

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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.

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- (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 ;

	<p>(d) The firm is suspected to be doubtful loyalty to state.</p> <p>(e) The State Bureau of Investigation (SBI) or any other Investigating agency recommends such a course in respect of a case under investigation.</p> <p>(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.</p>
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	<p>(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.</p> <p>(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.</p>
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
	<p>33.1 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.</p> <p>33.1.1 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</p> <ol style="list-style-type: none"> a description of the dispute the ground for such dispute all written material in support of its claim <p>33.1.2 The other party shall, within thirty days of issuance of dispute notice issued, furnish:</p> <ol style="list-style-type: none"> Counter claim and defences, if any, regarding the

	<p>dispute; and</p> <p>II. All written material in support of its defences and counter claim</p> <p>34.1.3 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.</p> <p>Dispute Resolution: Besides, as referred above 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 Administrative Department H&ME, who will, through Law Department, appoint a senior most officer as sole Arbitrator, of the dispute, who 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 UT of Jammu and Kashmir.</p> <p>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</p>
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).
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.	<ul style="list-style-type: none"> 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

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

S.No.	Description	Pages
1.	Declaration of bidder regarding acceptance bid for terms & conditions (Annexure A1)	
2.	Agreement Form	To be downloaded from the website
3.	Form for bank guarantee (on bank letter head)	To be downloaded from the website
4.	Format-Authorized Representatives/Agents of Original Manufacturer/Direct Importer (Annexure AII)	
5.	Technical Specifications (Annexure AIII)	

(On Letter Head of the Bidder)

DECLARATION

I/We M/s. represented by its Proprietor/managing Partner/Managing Director having its Registered Office at and its Factory Premises at do declare that I/we have carefully read all the conditions of bid no. Dated.....including all the amendments in Ref.for supply cum rate contract of **Item name** for Jammu and Kashmir Medical Supplies Corporation Ltd. for the year 2022-23 and accepts all conditions of bid including amendments, if any.

I/We agree that the M.D. JKMSCL, Jammu / Srinagar (J&K) may forfeit bid security and or performance security and debar me/us for a period specifying in orders, if any information/document furnished by us is proved to be false/fabricated at the time of inspection and not complying with the terms and conditions of the bid document as presented in bid, Annexure-B and other relevant documents.

Signature & Seal of bidder

Name & Address:

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 than 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.

Specifications Of Fully Automatic Immunoassay Analyzer (Chemiluminescence Basis)

- Fully automated Random and Continuous access.
- Sample type : Serum, Plasma
- Throughout of up to 80 tests/hr.
- Automatic reagent exchange during run/standby.
- Assay time between 10-40 minutes.
- It should have unlimited stat samples loading facility.
- It should have facility to load more than 15 reagents at a time. It should have automated inventory management system, should have barcode scanner for reading reagent barcodes.
- It should have facility to alert user for insufficient sample aspiration. It should have clot detection and correction facility alert message to the user.
- It should be capable of analyzing all the basic cancer markers such as (AFP, CA-125, CA15-3, CA 72-4, CA19-9, CEA, Cyfra 21-1, Free PSA, NSE, PSA, SCC, Calcitonin, PIVKA, Pro GRP, S-100).
- It should be user friendly operator in interface, touch screen monitor, keyboard, external PC with automatic data backup external printer to be provided.
- It should have facility to view and print Levy-Jennings charts; it should have facility to adapt Westgard rules.
- RS 232d birectional interface and inbuilt modem for remote diagnostics.
- Power supply 200-200 V, 50/60HZ. 2KV UPS required.

<u>ENT RADIOFREQUENCY INDUCED THERMOTHERAPY UNIT</u>
Specifications
1. Should be based on principal of radiofrequency induced thermotherapy for minimally invasive procedures for daily practice of ENT (Habitual snoring, OSA, Palatine tonsil hyperplasia, Nasal polyps, ITH, Uvula hyperplasia, Tumor of H&N region etc.)
2. Should have intelligent power control unit and 3D impedance feedback control which automatically monitors and regulates the entire soft coagulation process.
3. Should have power setting of 1-25 W.
4. Current should be induced through bipolar applicators and should not need any neutral electrodes.
5. Should have constant real time monitoring of the coagulation process and should provide end of procedure signal.
6. Should have auto cut facility.
7. Should have foot switch control.
8. Should use Bipolar RFITT for cutting system
9. Should have Foot control and 3 button finger switch hand piece and a hand piece clip.
10. The instruments should be with European CE (ENCERTIFIED) or USDA certification.
The system should be supplied with following products

Name	Quantity
1. ENT Lab console with foot switch & hand piece	1
2. Connection Cable	1
3. Cutting Electrode grip	1
4. Surgical forceps	1
5. Cutting electrodes	
6. Probe with conical tip & 1.3 mm diameter for treatment of habitual snoring & hyperplastic Palatine tonsil	10
7. Probe with trocar tip & 1.3 mm diameter for mild OSA	10
8. Probe with conical tip & 1.1 mm diameter	10
9. Bipolar angled forceps	4
10. Bipolar Bayonet forceps	4

SPEECH LAB - SPEECH ANALYSIS SOFTWARE
Specifications:
Computerized Speech Lab, CSL
a. Gold Standard hardware and software solution for accurate capture and playback of acoustic signals of speech and voice production.
b. Designed for the research environmental and a tool for collecting quantitative objective data for documentation and research purposes via well established methodologies.
c. Acoustic hardware must provide level of confidence during signal acquisition.
d. Advanced audio capture technology optimizing recording but audio playback as well.
e. Precise sampling rates to ensure no alteration of the signal during capture so that it will allow measuring of even the smallest amount of noise or perturbation in the voice, which is critical for accurate and repeatable results.
f. Must comply with industry recommendations for measures of patient performance that may be compared to normative data. This includes calibrated SPL range, habitual fundamental frequency, motor speech, and cepstral-based voice quality measures and cepstral-based voice quality measures.
g. 2- or 4- line input channels for multiple signal acquisition and DC coupling for low-frequency signals.
h. Precision microphone for superior noise suppression and a professional grade speaker to ensure high-fidelity feedback. The following software compatible with CSL.
Multi-Dimensional Voice Program:
a. 22 voice parameters must be calculated in seconds.
b. Must have basic and advanced version.
c. Compatible with the computerized speech lab mentioned above.
d. Quick and easy to use.
e. Windows version must graphically compare the subject's voice parameters with normative threshold or with average norms and standard deviations.
f. A report generator must be included for direct printing.

g. Provide a radial graph which can be inserted in word processing documents generating a comprehensive report that contains examiner.
h. Comments, the graphic display, and numeric results can be easily generated.
i. Must have its references in peer-reviewed professional journals establishing its reliability, the value of multiple parameters, and its efficacy.
Real Time Spectrogram Software:
a. Compatible with computerized speech lab mentioned above.
b. Must provide a dual-screen, real-time, scrolling, spectrographic display of speech during input.
c. Wide band and Narrow band spectrograms display.
d. Spectrogram parameters such as colour, dynamic range, and transform sizes (e.g. Wideband vs. Narrow-band) may be adjusted.
e. A full-screen spectrogram can be analyzed with the time axis adjustable from one to four seconds.
f. Options for ideal clinical biofeedback of vowels and consonants, classroom training, forensic screening and for quickly previewing taped samples.
g. A classic display of acoustic signal with protocols for patient feedback.
Auditory feedback tool software:
a. Compatible with the computerized speech lab mentioned above.
b. Must provide reliable auditory feedback for use with stuttering therapy and other conditions.
Voice Game:
a. Compatible with the computerized speech lab mentioned above.
b. Easy to use.
c. 10 real-time games for speech therapy tasks.
Real time pitch:
a. Compatible with the computerized speech lab mentioned above.
ADSV
The instruments should be with European CE (ENCERTIFIED) or USFDA certification.

Thermometers:

Description of function and use: For TB C&DST Labs, we need five different types of thermometers for various devices as shown below:

- a) Electronic Thermo Hygrometer (Two) for at least two rooms (Expert room and for Media Preparation room+ TB Containment if not available) as these rooms require monitoring of temperature and humidity.
- b) Alcohol Thermometer (Eight) for refrigerator, incubator, WII and WIC. A total of 8 will be required assuming there will be 3 refrigerators, 2 incubators, 1 WII and WIC each and 1 spare.
- c) Digital Maxima- Minima Thermometer- two ranges (one each) for calibration of
 - a. -100 to +60 deg C (for -80 deep freezer, -20 deep freezer, refrigerator, WIC)
 - b. 0 to +300 (for incubator, oven, WII, autoclave, GT Blot, Twincubator, Thermocycler)
- d.) Dial Spring Thermometer (one) For Hot Air Oven used in DNA extraction, we need dial spring thermometer

The thermometers are mercury free which helps avoid unnecessary emergency management in case of breakage/spill of mercury

Electronic max-min thermo-hygrometer

Use :Electronic Thermo Hygrometer is used for at least two rooms (Xpert room and for Media preparation room+ TB Containment if not available) as these rooms require monitoring of temperature and humidity.

Features:

- Recording of MAX/MIN Humidity & Temperature value automatically
- Alarm function (optional)
- Calendar function with months and years by pushing ADJ button(optional) -Back stand & hanging hole to be provided with each thermometer

Technical Specification:

- Temperature Range: -10~60°C (-14F ~122F)
- Humidity Range: 20% ~99% RH
- Resolution: Temperature: 0.1 °C (0.1 °F), Humidity: 1%RH
- Accuracy: Temperature: ±1 °C (1.8 °F), Humidity: ±3%RH (40%-80%)
- LCD size: Approx. 80 x 60 mm
- Memory of MAX/MIN value of temperature & humidity
- Optional:2 modes for time showing: 12 or 24 (changeable by using MODE & ADJ button to set)
- Accessories: Operational Manual, one set of battery
- Power Supply: battery supply
- Warranty Period: Five year, Warranty starts with installation at site.
- Factory Calibrated Certificate: Equipment must be supplied with valid calibration certificate stating that the equipment has been calibrated at factory.

Glass Alcohol Thermometer:

Use: Glass Alcohol Thermometer is used for monitoring temperature of refrigerator, incubator, WII and WIC.

Technical Specification:

- Range: 0°C to +100°C
- Accuracy: ±1.0°C or better within the range 0°C to +70°C
- Resolution: ±0.5°C
- Sensor: Coloured alcohol in glass column.
- Unit of measurement: Temperatures must be displayed in degrees Centigrade only.
- Casing Non-corrodible plastics or metal case. The glass column must be protected against breakage and strongly supported so that the column cannot be displaced more than 0.5mm vertically with respect to the scale.
- Overall dimensions: Maximum 200 x 25 x 25mm.
- Weight: The product must be fully portable.
- Easily readable centigrade scale
 - with a minimum space of 1 mm between each line
 - Long lines with numbers: for each 10 degrees.
 - Short lines: for even numbered degrees
 - Shorter lines: for odd numbered degrees.
 - Font: high-legibility font.
 - Reading angle: between 80 and 100° to the plane of the support plate.

- Colour of markings: dark blue or black on a white background
- **Warranty Period:** 05 year, Warranty starts with installation at site

Digital Maxima- Minima Thermometer (-100 to 60 °C)

Use: -100 to +60 deg C Digital Maxima- Minima Thermometer is used for calibration for - 80 deep freezer, -20 deep freezer, refrigerator, WIC

Technical Specifications:

- Measuring range: -100 °C to +60 °C
- Resolution: 0.1°C
- Accuracy: $\pm 0.1^\circ\text{C}$
- Precision: $\pm 0.2\%$ full scale
- Flexible probe (Preferably K type) Thermocouple, waterproof cable, cold resistance.
- Measuring frequency: 3 measuring per second
- Display: Digital LCD display
- Min-/Max-value memory (optional)
- Operating key: ON/OFF key, Min-max value display, Hold key
- Power supply: 9V battery type
- Low battery warning
- Auto off function
- Calibration certificate: Multi point Calibration Certificate must be submitted with traceability to ISO/IEC 17025 standards
- Warranty Period: 1 year, Warranty starts with installation at site.
- Accessories: Spare one set of battery

Digital Maxima- Minima Thermometer (0 to 300 °C)

Use: 0 to +300 deg C Digital Maxima- Minima Thermometer is used for calibration for incubator, oven, WII, autoclave, GT Blot, Twincubator, Thermocycler

Technical Specifications:

- Measuring range: 0 °C to +300 °C
- Resolution: 0.1°C
- Accuracy: $\pm 0.1^\circ\text{C}$
- Precision: $\pm 0.2\%$ full scale
- Flexible probe (Preferably K type) Thermocouple, waterproof & Heat resistance cable/probe.
- Measuring frequency: 3 measuring per second
- Display: Digital LCD display
- Min-/Max-value memory optional.
- Operating key: ON/OFF key, Min-max value display, Hold key
- Power supply: 9V battery type
- Low battery warning
- Auto off function
- Calibration certificate: Multi point Calibration Certificate must be submitted with traceability to ISO/IEC 17025 standards
- Warranty Period: Five year, Warranty starts with installation at site.

-Accessories: One set of battery

Dial Thermometer:

Use: Dial Spring Thermometer is used for monitoring temperature of for Hot Air Oven used in DNA extraction

Technical Specifications:

- Temperature Range: +50 °C to +300° C
- Accuracy: ±1 % Full Scale. Reading stabilization within 1 min
- Casing Material: Optically clear strong glass cover with Stainless steel surface mount (highly resistance to corrosion)
- Dial: 2 inch.
- Type: Bimetallic dial thermometer
- Weight: Not critical, provided the product is fully portable
- Easily readable centigrade scale with
 - Long lines with numbers: for each 10 degrees.
 - Short lines/dots: for each 5 degrees.
- Font: high-legibility font
- Colour Marking: dark black on a white background with Red pointer/dark red on a white background with black pointer
- Factory Calibrated Certificate: Equipment must be supplied with valid calibration certificate stating that the equipment has been calibrated at factory.
- Warranty period: Five year, warranty starts with Installation at site.

Provide Performa Invoice of sterilization Machine to avoid chemical fumigation for Operation Theatre.

Specifications

Power (Overall)	500 Watts & 50 Watts for Sterilization Machine
Individual Lamp Power	30 Watts & 15 Watts for Sterilization Machine
Number of Lamps	16 Lamps for Sterilization Machine
Choke Type	2 x 36 Watts choke(electronic) for Sterilization Machine. 3x 18 Watts choke (electronic) for Sterilization Machine.
Life	8000 hours
Replacement	Yes (applicable with service fee)
Light Wavelength	UVC Sterilization at 254 nm(Germicidal)
Filter	HEPA Filter (0.3uM)
Lamp duration	Normal operation of about 10 minutes max per use
Room coverage	1500 sq. ft. for Sterilization Machine
Safety	Remote /Local emergency stop. Automatic closure for lamp safety

	motion deletion sensors for human safety
Protection	Motion sensor (360 degree) integrated technology and lamp close automatically when the human intervenes in the contract area
Remote Operation	Android phone/IOs/Tablet interface. Intelligent app to set all the equipment operating parameters
Usage Information	Total hours of utilization and the information available to the use
Lonizer	5x 10 ⁶ ions/cm

Electronics

Serviceability	Yes (applicable with service fee)
Controller	Microcontroller 16-bit Higher Performance

Mechanical

Mirrors	Stainless steel polished surface for maximum reflectivity
Wheels	Medical grade wheel with brake
Size	530 x530 x1500 mm and 220 x 620 mm for Sterilization Machine
Weight	40 kg gross weight for Sterilization Machine
Manoeuvrability	4 independent wheel to access tight comers

Electrical

Input voltage	230 Volt AC& 50Hz for other voltages, specify at the time of purchase
Maximum current	2.5 Amps
Power Chord Length	2 meters

- The electric powered drill system for Neuro & Spine applications should be able to connect multiple hand pieces at a time like Neuro/spine Drill (Up to 75000RPM).
- The supplied motor should run at a speed of Up to **75000RPM**.
- **Motor torque** must be in a range of 45mNm1-/3mNm
- Lubrication or seal should not be required to run the motor.
- Should be sterilized by standard steam sterilization.
- Console should recognize the various hand pieces and automatically adjust the settings accordingly.
- Should have inbuilt pumps each for irrigation (rate should be adjustable)and cooling
- Should have large **Touch screen monitor** (8 inch or more)
- Should be latest model –top model

- The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch (like toggle between multiple hand pieces, toggle between forward & reverse mode to change start/stop & variable speed acceleration to start stop irrigation)
- Should have multifunction ergonomically designed foot control with light emission for easy identification.
- Surgeon should be able to control from the foot control itself the speed/Mode, forward/Reverse toggle active hand piece change etc.
- Should have remote control irrigation to operate from sterile area by the surgeon himself.
- Should have in built user-friendly interactive menu and illustrative help guide.
- Should have the provision to mount the console on various sizes of IV poles.
- Weight of the grid should not be more than **90 gms** and length should be less than **8.5 cm** with a diameter not exceeding **1.7 cm**.
- Attachments should have tapered design for better visibility under microscope.
- System should have quick connect but lockable attachments of various sizes.
- Should have specialized attachments with **inbuilt burrs for trans-nasal and skull base procedures with inbuilt irrigation diamond and cutting.**
- There should be bold colour coding to identify matching attachments and tools.
- Should have upgrade option of **factory calibrated navigable motor for cranial, spine and MIS surgeries** compatible with navigation system in future.
- Power console, all attachments and each cutting tool to be CE and USFDA approved.
- Should have specified tools with inbuilt irrigation for trans-nasal and skull base procedures diamond and cutting option.
- Satisfactory product demo needs to be done and should be approved by the surgeons.

Attachments:

- Perforator driver
- Craniotomy attachment
- Straight attachment of 9 cm
- Angled attachment 14 cm
- Metal cutter for implant or mesh plates removal.

Tools: Tools compatible with the above-mentioned attachments in cutting and diamond category to be quoted.

Technical Specification of TOF 3D (Neuromuscular Monitoring)

Equipment:

- 1) Various Stimulation Modes: TOF, PTC, TET DBS, Single Twitch.
- 2) 3- dimensional acceleration measurement
- 3) Battery Operating: More Than 1500 hours continuous Operation, Use of standard Batteries.
- 4) Large 4.4-inch LCD display.
- 5) Integration to patient monitors and operation via patient monitors
- 6) Placement at the OR Table, IV Pole or standard rail
- 7) Individual warning messages for lower and upper TOF limits.
- 8) Surface body Temperature measurement
- 9) Integrated trend memory can be download to external devices.

Product Details

Description Specification Height 62.5 mm/2.5-inch Width 141 mm /5.5-inch Depth 202 mm/8-inch Stimulation Modes TOF, PTC, DBS, TET, Single Twitch, DBS.

Warranty should be 05 years and CMC charges should be 5 years included in this price.

Application:

Use of standard Electrodes

Transducer Placement at different measurement locations

Impedance monitoring for optional stimulation Automatic calibration function for Alignment with patients individual Responses

Individual TOF intervals.

Automated Plasma Expresser

Automated
Plasma
Expresser

Operating Temperature - 0 to 40 Degree °C	
Input Supply-	110-240V
Weight-	4 Kgs
Max Tube Diameter-	6.5 mm
Overall Dimensions-	167x270x290mm(LXBXH)

CARDIAC MONITOR WITH DEFIBRILLATOR

Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

1. Technical Specification:

- It should be a Low Energy Biphasic defibrillator, light weight, capable to monitor ECG manual Model, AEO Mode, External pacing (Fixed and demand mode), NIBP, EtCO2 (Mainstream/Micro stream for both intubated and non-intubated patients) Spo 2 and recorder
- Should be upgradable to IBP and temp.
- It should be capable of doing synchronized & asynchronized cardioversion.
- It should have facility of monitoring 12 lead ECG
- Should have bright 8 inch or more LCD /TFT screen with at least 6 waveforms display.
- Should monitor ECG through paddles, pad and monitoring electrodes and defibrillate through pads and paddles.
- The unit should have transcutaneous external pacing with 40 millisecond pulse width.

- Should have Fixed and Demand mode for External Pacing with pacing rate from 30 to 180 pulse per minute.
- Should have ability to filter out CPR artifacts and allowing person to see organized filtered rhythms without interrupting chest compressions
- Should measure and compensate for chest impedance for a range of 25 to 150 ohms.
- Should have at least inbuilt 50mm or more thermal recorder.
- Should have charging time of less than 4 seconds for 200 joules at both AC as well as DC power supply. Charging indicator should be there.
- Combined external adult and pediatric paddles should be available.
- Should have event summary facility for recording 24 hours of data in internal memory and should have option of SD card to increase memory.
- Should have facility of self -test and check before usage (defibrillator testing facility) with facility to print out of defibrillator testing reports.
- Should have user friendly 1,2,3, coded steps operation. Voice prompts on AED mode.
- Should have Adult and child AED mode.
- SpO2 should work well in low perfusion and not be affected by motion.
- Should have facility of 12 lead ECG data transfer for Ambulance to Hospital.
- Defibrillator should be light weighted and should not more than 7 kg.

2. System Configuration Accessories, spares and consumables:

- Defibrillator, monitor with battery -01
- Combined External Paddles Adult/Pediatric (pair) -01no.
- ECG Rolls – 10nos.
- Disposable pads connection cable - 01no.
- Disposable pads for Adult&pediatric -05each.
- ECG & SpO2 Connection Cord – 1 each
- ECG 3 Lead – 2nos
- SpO2 probe Adult and pediatric – 1each.
- NIBP Air hose -1no.
- NIBP Cuff or adult &pediatric -1 each
- ErCo2 Module – 1 with always adaptor/sampling line 5 nos.

3. Power Supply:

- Power input to be 220-240VAC,50Hz.
- Should have a rechargeable battery capable of usage for at least 200 discharges of full energy or 360 monitoring or 210 minutes of transcutaneous pacing.

4. Standard, Safety and Training:

- Should be USFDA/European CE approved product only.
- Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements.
- Should conform to international test protocols on exposure to shock forces and vibration forces. The standard should be documented clearly.
- Should meet necessary US military standard MIL-STD-810GC1:2014514, for use in truck and helicopter ambulances.

- Should meet IEC Level 4 (IP4X) for enclosure protection against harmful water ingress.
- Should have five years of warranty followed by five years of CMC.

5. Documentation:

- Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number or original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
- User Manual and Service manual in English.
- List of important spare parts and accessories with their part number and costing to be quoted.
- Demonstration of the equipment with all upgradeable facility/documents is must and it will be sole direction of technical evaluation experts/as nominated by competent authority to accept or reject the equipment with or without assigning any reasons.

Synthetic Cadaver System for Anatomy Teaching

Synthetic cadaver Anatomy teaching system should comprise of the following:

A) Education grade Synthetic Human Cadaver

1. Should be a Full body synthetic Human Cadaver for Comprehensive anatomy teaching of medical students
2. Should be possible to be used as an alternative to human cadavers in basic anatomy classes.
3. The Cadaver should include all major skeletal, muscular, and cartilaginous structures present in typical human anatomy. Should be a full sized, head -to toe anatomical model.
4. Tissues of cadaver should give look and feel of a live human body.
5. Should be made of real life like tissue material
6. Cadaver should be biohazard and formaldehyde -free and should not pose any health risks to students/facilities or compromising a live patient.
7. Cadaver should be complete with all bones, joints, muscles, organs, and tendons in normal human anatomy. Major nervous system and vascular components should also be present.
8. Should have following feature and components
 - i. Structural Features: Skeletal, muscular, fascial, and cartilaginous structures of the skull, jaw, cervical spine, rib cage, chest, abdomen, upper and lower back , shoulders, upper arms, forearms, wrists, digits, thoracic spine, lumbar spine, pelvis, thighs, lower legs, feet and toes.
 - ii. Anatomical Feature: Every bone, muscle tendon, fully articulating joints, functioning respiratory system , complete digestive and urinary tracts, visceral organs, reproductive organs, circulatory system, and nervous system including the following specifics:
 - a. Nervous Components: Lateral Cord, Musculocutaneous, Medical Cord, Medical Brachial Cutaneous , Medical Anterbrachial Cutaneous, Ulnar, Radial, Superficial Branch, Sciatic, common, Deep and Superficial Peroneal,

- Tibial, Genitofemoral, Iliohypogastric, Ilioinguinal Lateral Femoral Cutaneous, Obturator, Femoral, Anterior Cutaneous Branches, Saphenous
- b. Arterial Vasculature: Aortic arch, Descending thoracic aorta, Renal arteries, Abdominal Aorta, common carotid arteries, Subclavian arteries, Axillary arteries, Brachia arteries, Coronary arteries, iliac arteries, Radial arteries, Ulnar arteries, Common femoral arteries, Popliteal arteries, Anterior tibial Arteries, Fibular (Peroneal) arteries, Posterior tibial arteries
 - c. Venous Vasculature: Jugular veins, Subclavian veins, Superior vena cava, inferior vena cava, Renal veins, common iliac veins, internal iliac veins, External iliac veins, Cephalic veins, Basilic veins, Cephalic veins, Great saphenous veins, Popliteal veins, Femoral veins, anterior tibial veins, Fibular (peroneal) veins, Posterior tibial veins
9. Construction Materials: Thermoplastic bones with integral fascia sheath. Muscular tissues of organ silicate composite and specialized synthetic human skeletal muscle, tendon, fibrous fascia, and bone.
 10. The manufacturer should have the facility for customization of cadaver with pathologies or custom colour if need
 11. Size of the cadaver should be minimum 165cm and weight not more than 50 kg.
 12. Cadaver should have a life expectancy of at least five years.
 - B) Specialized table/Tank for storage of the cadaver in preservation medium
 1. Cadaver tank should be made of rust proof stainless steel SS 304 grade
 2. Should have a height adjustable tray with minimum size 180x70cm.
 3. The tank should have depth of at least 40 cm
 4. Height adjustment should be possible using crank mechanism
 5. The table/tank should be equipped with covers
 6. Should have lockable wheels for ease of mobility
 - C) Education Grade Life like synthetic Organ's workstations
 1. All organs' models should be realistic synthetic organ made of real life like tissue material
 2. Should be possible to be used as an alternative to human organ in basic anatomy classes.
 3. Tissues of organ should mimic mechanical, dielectric, and physico-chemical properties of live tissue. It should give look and feel of a live human organ.
 4. The structural design of lung should be based on an amalgam of CT and MRI images for actual patients.
 5. The synthetic tissues use in construction should be validated against the mechanical, physicochemical, thermal, and dielectric properties of living tissue.
 6. Organ should be able to be incorporated into complex model systems for testing breathing circuits, bronchoscopes, and respiratory devices.
 7. Should be compatible with all known imaging equipment including x-ray, fluoroscopy, MRI and CT scanners.

8. Should be compatible with all known, surgical devices including breathing circuits lasers, RF ablation, bipolar, monopolar, and harmonic devices.
 9. Synthetic human tissues should be made from salt, water and fibre, which should feature realistic tactility.
 10. Synthetic human tissues should match the acoustical characteristic of real human tissue.
 11. Should be biohazard and formaldehyde – free and should not pose any health risks to students/faculty should allow Realistic anatomy teaching and training without specialized facilities or compromising a live patient.
- Following organ workstation should be supplied with above features and specification.

1. Lung Organ:

1. Lung model should be realistic synthetic organ made of real life like tissue material
2. Organ should be able to be incorporated into complex model systems for testing breathing circuits, bronchoscopes, and respiratory devices.
3. It should be possible to select left or right lung.

2. Prostate Organ.

1. Prostate model should be realistic synthetic organ made of real life like tissue material
2. The prostate gland should be available in several sizes and should include various pathologies (fluid filled cysts, fibrous cysts, calcified nodules, benign prostate hyperplasia).

3. Uterus.

1. Uterus model should be realistic synthetic organ made of real life like tissue material
2. It should complex multi – component structure with cervix, inner and outer os, fallopian tube and ovaries.
3. The organ should be available with patent arterial and venous vasculature, a variety of pathologies and states of pregnancy.
4. It should be able to be incorporated into complex model systems for hysterectomy and pelvic sling surgery training.

4. Esophagus

1. Esophagus model should be realistic synthetic organ made of real life like tissue material
2. Should be moist pink mucosa, submucosa, muscularis externa, and adventitia, approximately 25 cm long.
3. It Should be able to be incorporated into complex model systems for the testing of esophageal dilators and stents.
4. Should be compatible with all known imaging equipment including x-ray, fluoroscopy, MRI and CT scanners.
5. Should be compatible with all known surgical devices including dilators, stents sutures, lasers, RF ablation, bipolar monopolar and harmonic devices.

5. Gall Bladder:

1. Gall Bladder model should be realistic synthetic organ made of real life like tissue material
2. Should have Muscular outer shell with inner mucosal lining.
3. It should be able to be incorporated into complex model systems for the investigation of gallstone treatments.
4. Should be Compatible with all know surgical devices including lasers, RF ablation, bipolar, monopolar, and harmonic devices.

6. Kidney:

1. kidney model should be realistic synthetic organ made of real life like tissue material
2. The synthestic tissues employed in construction should be validated against the mechanical, physicochemical, thermal, and dielectric properties of living tissue.
3. Should skinned outer structure with separate adrenal glands.
4. The organ should be available with patent and functional renal pelvis, ureter, renal artery, and renal veins.
5. Should select left or right kidney and organ complexity.
6. It should be able to be incorporated into complex model systems for kidney transplant training and urinary device testing.

7. Pancreas

1. Pancreas model should be realistic synthetic organ made of real life like tissue material
2. Should have textured surface with pancreatic notch, head, body and uncinata process.
3. The organ should also be available with bile ducts and the primary arterial and venous trunks.
4. It should be able to be incorporated into complex model systems for pancreatic tumor removal and testing gallstone treatment devices.
5. should have select organ complexity.
6. integration with the larger biliary system should be available on the liver.

8. Penis

1. Penis model should be realistic synthetic organ made of real life like tissue material
2. The synthetic tissues employed in construction should be validated against the mechanical, physicochemical, thermal, and dielectric properties of living tissue.
3. Should have shaft with patent urethra, glans, meatus and foreskin.
4. Should incorporated into complex model systems for the testing of medical devices and equipment.

9. Small Intestine

1. Small intestine model should be realistic synthetic organ made of real life like tissue material
2. Should be possible to be used as an alternative to human organ in basic anatomy classes.

3. Should have Duodenum, Jejunum and Ileum and should be preloaded with waste matter.
4. Should have select organ size and colour.
5. Should be able to be incorporated into complex model systems for the testing of medical devices and equipment.

10. Spleen

1. Spleen model should be realistic synthetic organ made of real life like tissue material
2. Should have skinned outer structure. Should also be available with the splenic vein and artery.
3. Should have anatomy and pathology options.
4. It should incorporate into complex model systems for transplant training and medical device testing.
5. Should be compatible with all known imaging equipment including ultrasound x-ray, fluoroscopy, MRI, and CT scanners.
6. Should be compatible with all known surgical devices including needles, scalpels, lasers, RF ablation, bipolar, monopolar, and harmonic devices.

11. Stomach

1. Stomach model should be realistic synthetic organ made of real life like tissue material
2. Should have Multi layered structure with thin muscular outer jacket, thick muscle middle layer and lubricious mucosal lining. Organ includes fundus and anchor points for pyloric and cardiac sphincters.
3. Should have option for Attaching esophagus
4. It should be able to be incorporated into complex model systems for testing of gastrointestinal devices.

12. Trachea

1. Trachea model should be realistic synthetic organ made of real life like tissue material
2. Should have D-shaped luminal superstructure, individual hyaline cartilage rings with trachealis muscles, lubricious mucosal layer and muscular jacket material.
3. Should be compatible with all known surgical devices including bronchoscopes. Lasers, RF ablation, bipolar, monopolar, and harmonic devices.
4. Should be able to be incorporated into complex model systems for the testing of endotracheal tubes, bronchoscopes, and drug delivery devices.
5. Should have select construction type, branch complexity and tissue hue below.

13. Liver.

1. Liver model should be realistic synthetic organ made of real life like tissue material.
2. Should have skinned outer shell with lobed structure. Should also be available with the primary arterial and venous trunks, complete biliary system, and a variety of pathologies.
3. Should be available with biliary system options.

4. It should be able to be incorporated into complex model systems for liver transplant training and biliary stent testing.
- F) Audio and visual system for Anatomy Lab should be supplied complete with
- i. Ceiling Mounted Camea system with pan tilt zoom
 - ii. Digital Video Recording system.
 - iii. Wireless Mike, Collar Mike
 - iv. Overhead Projector
 - v. 50" high resolution LED Screens -4 no's for simultaneous display and recording of class and teaching activities
 - vi. 65" Digital Human Anatomy Display system including complete Human anatomy for comprehensive teaching of students
- G) Maintenance Kit – with consumables for maintenance of Synthetic cadaver and organs for minimum period of two years
- H) The vendor should undertake Operation and maintenance of Anatomy lab through trained professional for a period of three years from date of installation.

Specifications for 5 Key and 8 Key Cell Counter.

1. ABS outer shell should resist collection
2. At one hundred increments of the total records, bell should be heard
3. Reset knob should easily clear all figures.
4. Each key should record up to 999.
5. Bell alarm four hundred counted bell.

Specification for FNAC plunger for 20 ml syringe

1. Should be precisely controlled and guided with one hand
2. May be autoclaved or sterilised.
3. Should be for 20 ml disposable syringe.

OPERATING NEUROSURGERY INSTRUMENTS FOR STATE CANCER INSTITUTE (J&K)

S. No	Description	Qty.
Craniotomy/Cranial Set		
1	ADSON NERVE HOOK SHARP	1
2	ADSON NERVE HOOK BLUNT	1
3	STANDARD TISSUE FORCEPS 1X2130MM	1
4	GUENWALD FORCEPS BAYO SERR 200MM	1
5	MC'INDOE TISSUE FORCEPS DELL 1x2 150MM	1
6	GERALD TISSUE FCPS STR 1x2 175MM	1
7	#1 PENFIELD DISSECTOR 175MM	1
8	#2 PENEFIELD DISSECTOR 195MM	1

9	#3 PENFIELD DISSECTOR 195MM	1
10	BABY-SENN-MILLER RECTOR.SH.8x7/22x7MM	1
11	CONE LAMINECTOMY RECTOR 3x4 TEETH	1
12	ADSON BABY RETR.3x4 SEMI-S W JOINT165MM	1
13	SUCTION CANNULA BARRON 2MM	1
14	FERGUSSON SUCT – CANN D: 1.5MM WORK.L.110MM	1
15	FERG-FRAZIER SUCT 6FR 2/110WRK-LGTH	1
16	FERG-FRAZIER SUCT9FR 3/110MM WRK-LGTH	1
17	FERG-FRAZIER SUCT 12FR 110MM WRK-LGTH	1
18	KERRISON 130DG-UP 1MM 180MM	1
19	KERRISON 130DG-UP 2MM 180MM	1
20	KERRISON 130DG-UP 3MM 180MM	1
21	KERRISON 130DG-UP 4MM 180MM	1
22	B BONE RONGEUR WIDE DBACT5MM 160MM	1
23	JANSEN BONE RONGEUR STR 175MM	1
24	ABDOMINAL BLD.RETRACTOR MALEAB.12X200MM	1
25	ABDOMINAL BLD.RETRACTOR MALEAB.17X200MM	1
26	WOODSON PLASTIC FILLING INST 3.2MM180MM	1
27	WOODSON PLASTIC FILLING INSTRUMENT #2	1
28	SCALPEL HANDLE OFFSET 210MM NO.3	1
29	HARDY-FAHLBUSCH DISS DWN SHARP 245MM	1
30	HARDY-FAHLBUSCH DISS DWN SHARP 245MM	1
31	VOLKMANN RETR4-PRGSHARP9X19MM222MM	1
32	RANEY SCALP HEMOST.CLIP PACK Or 25PCS.	1
33	RANEY APPLY/REMOVING FCPS F/FFO02FFO15P	1
34	DANDY DEL FCPS LAT-CVD 1X2 140MM	1
35	DANDY DELICATE FORCEPS CVD140MM	1
36	KOCHER FORCEPS CVD 1X2140MM	1
37	JACOBSON MOSQUITO FCPSX-DEL STR.130MM	1

38	BABY KOCHER FORCEPS STR.140MM	1
39	ALLIS TISSUE FORCEPS 220MM	1
40	COLLER ARTERY FORCEPS CVD.145MM	1
41	HARTMANN MOSQUITO FCPSDELCVD100MM	1
42	DUNHILL ARTERY FORCEPS STR.125MM	1
43	TC MAYO SCISSORS STR 140MM	1
44	TC MAYO SCISSORS CVD 140MM	1
45	TC METZENBAUM SCISSORS STR 145MM	1
46	TC METZENBAUM SCISSORS CVD 145MM	1
47	SCHMIEDEN-TAYLOR DURA SCISSORS 155MM	1
48	TC RYDER NEEDLE HOLDERDELSERR 175MM	1
49	TC MAYO-HEGAR NDL HOLDERHVYSERR150MM	1
50	TC MAYO-HEGAR NDL HOLDERHVYSERR205MM	1
51	ADSON NEEDLE HOLDER FEN-SERR 180MM	1
52	WATSON WILLIAMS ETHMOIDAL FCPSSM120MM	1
53	KERRISON THIN-FT 130DG-UP 5MM 180MM	1
54	ECHLIN BONE RONGEUR JAW 3X10MM 230MM	1
55	LEKESELL-STILL BONE ROGEUR 240MM	1
56	LEKSELL RONG FCPSDBACT. CVD 245MM	1
57	ECHLIN BONE RONGEURJAW 2X10MM 230MM	1
58	TREND CUR. HARDY BAYON.D4 130MM 45DG RI	1
59	TREND CUR. HARDY STR. D4 140MM 45DG SHRT	1
60	TREND CUR HARDY STR. D4 140MM 90DG LONG	1
61	TREND CUR.HARDY BAYO.D6 1300MM 90DG LE-LO	1
62	TREND CUR.HARDY BAYO.D4 130MM 90DG LE-SH	1
63	TREND CUR.HARDY BAYON.D4 130MM 45DEG LE	1
64	TREND CUR.HARDY BAYO.D6 130MM 90DG RI-LO	1
65	TREND CUR.HARDY BAYO.D4 130MM 90DG LE-LO	1
66	BRAIN SPATULA MOD.AACHEN MALL 7/8MM	1

67	BRAIN SPATULA MOD.AACHEN MALL 10/11MM	1
68	BRAIN SPATULA MOD.AACHEN MALL 13/14MM	1
69	BRAIN SPATULA MOD.AACHEN MALL 16/17 MM	1
70	BRAIN SPATULA MOD.AACHEN MALL 19/20MM	1
71	BRAIN SPATULA FLATMALL18&22MM178MM	1
72	HUDSON DRESSING FCPS LGTH 125MM	1
73	HEIFETZ TUMOUR FCPS W/TEETH 3MM220MM	1
74	CLOWARD LAMINA SPREADER 155MM	1
75	SUCTION CANNULA BARRON 1MM	1
76	FERGUSSON SUCT.CANN D:3.0MM WORK.L.130MM	1
77	FERGUSSON SUCT.CANN D:4.0MM WORK.L.130MM	1
78	ADSON NERVE HOOK SHARP	3
79	ADSON NERVE HOOKBLUNT	1
80	STANDARD TISSUE FORCEPS 1X2130MM	1
81	GRUENWALD FORCEPS BAYO SERR 200MM	1
82	MC'INDOE TISSUE FORCEPS DEL 1X2 150MM	1
83	GERALD TISSUE FCPS STR 1X2 175MM	1
84	#1 PENFIELD DISSECTOR 175MM	1
85	#2 PENFIELD DISSECTOR 195MM	1
86	#3 PENEIELD DISSECTOR 195MM	1
87	BABY-SENN-MILLER RECTOR.SH.8X7/22X7MM	1
88	CONE LAMINECTOMY RETRACTOR 3X4 TEETH	1
89	ADSON-BABY RETR.3X4 SEMI-S W JOINT 165MM	1
90	SUCTION CANNULA BARRON 2MM	1
91	FERGUSSON SUCT.CANN D:1.5MM WORK.L.110MM	1
92	FERG-FRAZIER SUCT 6FR 2/110MM WRK-LGTH	1
93	FERG-FRAZIER SUCT 9FR 3/110MMWRK-LGTH	1
94	FERG-FRAZIER SUCT 12FR 110MM WRK-LGT	1
95	KERRISON 130DG-UP 1MM 180MM	1

96	KERRISON 130DG-UP 2MM 180MM	1
97	KERRISON 130DG-UP 3MM 180MM	1
98	KERRISON 130DG-UP 4MM 180MM	1
99	B BONE RONGEUR WIDE DBACT5MM 160MM	1
100	JANSEN BONE RONGEUR STR 175MM	1
101	ABDOMINAL BLD.RETRACTOR MALEAD.12X200MM	1
102	ABDOMINAL BLD.RETRACTOR MALEAB.17X200MM	1

No	Description	Qty.
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SPECIFICATIONS OF LEYLA RETRACTOR

1	Table Clamp, adaptor, with ball and socket joint, non-sterile, reusable	1
2	Retractor holding rod, non-sterile reusable	1
3	Brain Retractor, coupling head, self-retaining, non-sterile, reusable	1
4	Brain Retractor, coupling head, self-retaining, non-sterile, reusable	1
5	YASARGIL LEYLA Brain Retractor. fixation base f. 2 flex arms, non-sterile, reusable	1
6	YASARGIL LEYLA Brain Retractor, fixation base, non-sterile, reusable	1
7	YASARGIL LEYLA Brain Retractor flexible arm, non-sterile, reusable	1
8	YASARGIL LEYLA Retractor Support f. flat brain spatulas non-sterile reusable	1
9	YASARGIL LEYLA Retractor, support f. flat brain spatulas, working length: 5,5 mm, round shaft, non-sterile, reusable	1
10	Abdominal/intestinal Spatula 200 mm (7 7/8"), malleable, width: 12 mm, non-sterile, reusable	1
11	Abdominal/intestinal Spatula 200 mm (7 7/8"), malleable, width: 17 mm, non-sterile, reusable	1
12	Brain Spatula, 200 mm (7 7/8"), working length: 100 mm (4), diam. 5 mm, round malleable , width: 14 mm, non-sterile, reusable	1
13	Brain Spatula, 200 mm (7 7/8"), working length: 100 mm (4), diam. 5 mm, round malleable , width: 17 mm, non-sterile, reusable	1
14	Brain Spatula, 200 mm (7 7/8"), working length: 100 mm (4), diam. 5 mm, round malleable , width: 20 mm, non-sterile, reusable	1
15	Brain Spatula, 155 mm (6 1/8"), working length: 100 mm (4), diam. 3.50	1

	mm, round malleable , width: 11 mm, non-sterile, reusable	
16	Brain Spatula, 155 mm (6 1/8"), working length: 100 mm (4), diam. 3.50 mm, round malleable , width: 8 mm, non-sterile, reusable	1
17	Brain Spatula, 200 mm (7 7/8"), double ended, malleable, width:6 mm, silicone sterile, disposable, package of 10 pieces	1
18	Brain Spatula, 200 mm (7 7/8"), double ended, malleable, width: 7,500 mm, silicone, sterile, disposable, package of 10 pieces	1
19	Brain Spatula, 200 mm(7 7/8"), double ended , malleable, width 10mm, silicone, sterile, disposable, package of 10 pieces	1
20	Brain Spatula, 200 mm (7 7/8"), double ended , malleable width: 12,500 mm, silicone, sterile, disposable, package of 10 pieces	1
21	Brain Spatula, 200 mm 9 7 7/8"), double ended, malleable, width: 15 mm, silicone, sterile, disposable, package of 10 pieces	1

SPECIFICATION OF LAMINECTOMY SET

S.No.	Descriptions	Qty.
1.	FORESTER –BALLENGER Sponge Forceps, straight, 245 mm(9 5/8"), oval serrated, fenestrated, box lock, with ratchet, non- sterile, reusable	1
2.	Towel Clamp, curved, 115 mm (4 1/2"), non perforating,blunt, non- sterile, reusable	1
3.	Scalpel Handle , 135 mm (5 1/4"), No, 4, non-sterile, reusable	1
4.	Scalpel Handle , 160mm (6 1/4"), No, 7, non-sterile, reusable	1
5.	Surgical Scissors, straight,145mm (5 3/4"), standard, sharp/blunt, non-sterile, reusable	1
6.	DUROTIP TC Suture Scissors, curved, 180mm (7"), wave cut blunt/blunt, non-sterile, reusable	1
7.	MAYO DUROTIP TC Dissecting Scissors, curved, 170 mm (6 3/4"). Chamfered blades, blunt/blunt, non-sterile, reusable	1
8.	METZENBAUM DUROTIP TC Dissecting Scissors, curved,200mm (7 7/8"), blunt/blunt, non sterile, reusable	1
9.	Tissue Forceps, standard, straight, 145mm (5 3/4"), standard, toothed,(1x2) non- sterile, reusable	1
10.	GERALD Tissue Forceps, Straight, 175 mm (6 7/8"), delicate toothed (1x2),non sterile, reusable	1

11. GRUENWALD Micro Grasping Forceps, straight, 200mm (7 7/8"), bayonet-shaped, serrated, non-sterile, reusable	1
12. DE BAKEY ATRAUMATA Atraumatic Forceps, straight, 200mm (7 7/8") toothed DE BAKEY, width: 2,800mm, non-sterile, reusable	1
13. HALSTED (MOSQUITO) Hemostatic Forceps, curved 125 mm (5"), delicate. non-sterile, reusable	1
14. CRILE Haemostatic Forceps curved, 140 mm (5 1/2"), delicate, blunt, non-sterile, reusable	1
15. KOCHER Haemostatic Forceps, straight, 140mm (5 1/2"), toothed (1x2). Non-sterile, reusable	1
16. MIXTER (BABY) Dissecting Forceps, strongly curved, 180 mm (7") non-sterile, reusable	1
17. HALSTED Haemostatic Forceps curved 185 mm (7 1/4") delicate, blunt non-sterile, reusable	1
18. CRILE-WOOD DUROGRIP TC Needle holder, straight, 145 mm (5 3/4"), with 0.4 mm pitch of serration, suture 4/0-6/0, non-sterile, reusable	1
19. DE BAKEY DUROGRIP TC Needle holder, straight 180 mm (7"), with 0.4 mm pitch of serration, suture 4/0-6/0, non-sterile, reusable	1
20. HEGAR-MAYO DUROGRIP TC Needle holder, straight 185 mm (7 1/4"), with 0.5 mm pitch of serration, suture up to 3/0, non-sterile, reusable	1
21. PATTERN US-ARMY Wound Retractor, 220 mm (8 3/4") double ended, 22x15mm, 26x15 mm, 39x15mm, 43x15 mm, non-sterile reusable	1
22. VOLKMANN Wound Retractor (With Prong), 220 mm (8 3/4"), 4 prongs, semi sharp, depth: 8,500 mm width 19 mm, non-sterile reusable	1
23. ADSON Laminectomy Retractor, with joint, 320 mm (12 1/2"), 4x5 prongs, semi- sharp, with ratchet, non-sterile, reusable	1
24. CUSHING Vein Retractor 205 mm (8"), depth: 10 mm width: 13 mm, non-sterile, reusable	1
25. CASPAR Nerve-And Vessel Hook, 90° angled 245 mm (9 5/8"), bulb-headed tip, tip length 7 mm. round handle, medium, non-sterile, reusable	1
26. DAVIS Dissector, slightly curved, 245 mm (9 5/8"). double ended, blunt, round handle width 4,500 mm, non-sterile, reusable	1
27. CASPAR Nerve Root Retractor, 240 mm (9 1/2"), working length: 90 mm (3 1/2), bayonet-shaped, blunt, width 8 mm, non-sterile, reusable	1
28. FERGUSON Suction cannula, 215mm (8 1/2") working length; 130mm (5 1/8") diam. 4mm, 12FR, luer hub, non-sterile reusable for suction hose 6-9mm	1

29.	BONE RONGEUR STRONG CVD 240M1M	1
30.	Bone curette, straight, 250 mm 9 3/4"), Fig. 1. Width: 6,800 mm, non – sterile, reusable	1
31.	COBB Raspatory, slightly curved, 280 mm (11"). Sharp, width: 13 mm, non-sterile, reusable	1
32.	COBB Raspatory, slightly curved, 280 mm (11"). Sharp width:19 mm, non-sterile, reusable	1
33.	LAMBOTTE Osteotome, straight, 25 mm, 245 mm, 9 3/4"	1
34.	MALLET 380GR. HEAD	1
35.	KERRISON NOIR Bone Punch conventional, 130°, upwards cutting, 200 mm (7 7/8") regular, width: 3 mm, opening width: 10 mm, detachable, with ejector, standard, non-sterile, reusable, to be used with: JF120R	1
36.	KERRISON NOIR Bone Punch conventional, 130°, upwards cutting, 200 mm (7 7/8") regular, width: 4 mm, opening width: 12 mm, detachable, with ejector, standard, non-sterile, reusable, to be used with: JF120R	1
37.	KERRISON NOIR Bone Punch conventional, 130°, upwards cutting, 200 mm (7 7/8") regular, width: 5 mm, opening width: 12mm, detachable, with ejector, standard, non-sterile, reusable, to be used with: JF120R	1
38.	DET. RONGEUR STANDARD STR 3.0/180MM	1
39.	DET. RONGEUR STANDARD A5.0/180MM	1
40.	Kidney Tray, 250 mm (10"), stainless Steel	1
41.	Round Bowl, 83 mm, height: 41 mm ,width: 54 mm, 160 ml	1

s.No	SPECIFICATIONS OF MIN SET MINIMILLY- (INVASIVE)	Qty.
1.	NOIR Micro scissors straight 250 mm (9 3/4"), working length: 120 mm (4 3/4"). Bayonet- shaped, sharp/sharp, round handle, Goofballs design handle, black non-sterile reusable	1
2	NOIR Micro scissors curved 250 mm (9 3/4"), working length: 120 mm (4 3/4"). Bayonet- shaped, sharp/sharp, round handle, golf ball design handle, black non-sterile reusable	1
3	NOIR Micro scissors straight 250 mm (9 3/4"), working length: 120 mm (4 3/4"). Bayonet- shaped, Blunt/Blunt, round handle, Golfball design handle, black non-sterile reusable	1
4	NOIR Micro scissors curved 250 mm (9 3/4"), working length: 120 mm (4 3/4"). Bayonet- shaped, Blunt/Blunt, round handle, Golfball design handle, black non-sterile reusable	1

5	NOIR w/o HF connection Micro Needle Holder, curved 250 mm (9 3/4"), working length: 120 mm (4 3/4"). bayonet- shaped, , round handle, (black) Golfball design handle with ratchet, black non-sterile reusable	1
6	NOIR Micro Forceps, 240 mm (9 1/2") working length: 120 mm (4 3/4) bayonet-shaped, fine, round handle (black). Golfball design handle, width 0,900 mm, diamond dust coated black. non-sterile, reusable	1
7	NOIR Micro Forceps, 240 mm (9 1/2") working length: 120 mm (4 3/4) bayonet-shaped, very delicate, round handle (black). golf ball design handle, width 0,500 mm, diamond dust coated black. non-sterile, reusable	1
8	NOIR Micro Tumor Forceps straight, 240 mm (9 1/2") working length: 120 mm (4 3/4) diam. 2,50 mm bayonet-shaped, round handle (black). Golfball design handle, non-sterile, reusable	1
9	NOIR Micro Tumor Forceps straight, 240 mm (9 1/2") working length: 120 mm (4 3/4) diam. 3,50 mm bayonet-shaped, round handle (black). Golfball design handle, non-sterile, reusable	1
10	Bipolar Forceps, straight, 255 mm (10"). Working length: 135 mm (5 1/4"). offset shanks, smooth, spring type, flat handle, insulated, width: 0,70 mm, black, non-sterile, reusable	1
11	Bipolar Forceps, straight, 255 mm (10"). Working length: 135 mm (5 1/4"). offset shanks, smooth, spring type, flat handle, insulated, width: 1 mm, black, non-sterile, reusable	1
12	BIPOLAR CABLE 5/2MM	1
13	INOIR Suction Tube, working length. 140 mm (5 1/2"), removable handles, 4FR, non-sterile, reusable, to be used with GF005B	1
14	INOIR Suction Tube, working length. 140 mm (5 1/2"), removable handles, 6FR, non-sterile, reusable, to be used with GF005B	1
15	INOIR Suction Tube, working length. 140 mm (5 1/2"), removable handles, 8FR, non-sterile, reusable, to be used with GF005B	1
16	INOIR Suction Tube, working length. 140 mm (5 1/2"), removable handles, 6FR, non-sterile, reusable, to be used with GF005B	1
17	NOIR Handle,80 mm (3 1/8"), non-sterile, reusable, to be used with:GF025B, GF026B, GF027B, GF030B, GF031B, GF032B, GF033B, GF035B,GF036B, GF037B, GF038B, GF039B, GF045B, GF046B, GF047B GF048B, GF04	1
18	WIRE BASKET INSTRUMENTS MIN SET	1
19	NOIR HANDLE MODULAR D8MM 100MM	1
20	NOIR HANDLE MODULAR D11MM 100MM	1

21	NOIR Probe, straight, 200 mm (7 7/8"), ball point tip, black,non-sterile reusable	1
22	NOIR Probe, 45 °, angled, 200 mm (7 7/8"), ball point tip,, black, non-sterile, reusable	1
23	NOIR Probe, 90" angled, 200 mm (7 7/8'), ball point tip, black, non-sterile, reusable	1
24	NOIR Micro Hook, 45" angled, 200 mm (7 7/8'), blunt, black, non-sterile, reusable	1
25	NOIR Micro Hook, 90" angled, 200 mm (7 7/8'), blunt, black, non-sterile, reusable	1
26	NOIR Micro Hook, 90" angled, 200 mm (7 7/8'), sharp, black, non-sterile, reusable	1
27	NOIR Micro Scoop, 10" angled, 200 mm (7 7/8'), diam. 2 mm black, non-sterile, reusable	1
28	NOIR Micro Scoop, 45" angled, 200 mm (7 7/8'), diam. 2 mm black, non-sterile, reusable	1
29	NOIR Micro Scoop, 10"" angled, 200 mm (7 7/8'), diam. 2 mm with long neck, black, non-sterile, reusable	1
30	NOIR Micro Dissector, curved, 200 mm (7 7/8"), removable handles, width:1 mm, non-sterile, reusable	1
31	NOIR Micro Dissector, curved, 200 mm (7 7/8"), removable handles, width:2 mm, non-sterile, reusable	1
32	NOIR Micro Dissector, curved, 200 mm (7 7/8"), removable handles, width:3 mm, non-sterile, reusable	1
33	NOIR Micro Curette, 0°, straight, 200 mm (7 7/8"), diam. 4 mm, black, non-sterile, reusable	1
34	NOIR Micro Curette, 45°, angled, 200 mm (7 7/8"), diam. 4 mm, black, non-sterile, reusable	1
35	NOIR Micro Curette, 90°, angled, 200 mm (7 7/8"), diam. 4 mm, black, non-sterile, reusable	1
36	NOIR Micro Curette, 45°, angled, 200 mm (7 7/8"), diam. 4 mm, with long neck, black, non- sterile, reusable	1
37	NOIR Micro Curette, 90°, angled, 200 mm (7 7/8"), diam. 4 mm, with long neck, black, non- sterile, reusable	1
38	NOIR Micro Curette, 45°, angled, 200 mm (7 7/8"), diam. 6,50 mm, black, non- sterile, reusable	1

39	NOIR Micro Curette, 90°, angled 200 mm (7 7/8"), diam. 6,50 mm, black, non- sterile, reusable	1
40	NOIR Raspatory, 200 mm (7 7/8"), width: 1 mm, non-sterile, reusable	1
41	NOIR Raspatory, 200 mm (7 7/8"), width: 2 mm, non-sterile, reusable	1
42	NOIR Raspatory, 200 mm (7 7/8"), width: 3 mm, non-sterile, reusable	1
43	Tumor Knife, 45°, angled 200 mm (7 7/8"), removable handles, width: 1,50 mm, black, non-sterile-autoclavable	1
44	Tumor Knife, 45°, angled, 200 mm (7 7/8"), removable handles, width: 3 mm, black, non-sterile-autoclavable	1
45	Tumor Knife, 45°, angled, 200 mm (7 7/8"), removable handles, width: 4,50 mm, black, non-sterile-autoclavable	1
46	WIRE BASKET MICRO-INSTRUMENTS MIN SET	1

NEURO-ENDOSCOPIC INSTRUMENTS WITH SPECIFICATIONS

Specification

Neuroendoscope for Intracranial Procedures. Neuroendoscope set for endoscopic ventricles surgeries for obstructive hydrocephalus, intraventricular tumors, cysts, arachnoid cysts and intraparenchymal cysts. Neuroendoscope set for procedures - Ventriculostomy, Aqueductoplasty, Aqueduct Stenting, Septostomy, Foraminoplasty, Tumor Biopsy and Tumor Resections as well as Cyst Evacuation and Resection of Cyst Membranes.	Qty
Ventriculoscope with Wide Angle Straight Forward Telescope 4-8°, angled eyepiece for better ergonomic working, outer diameter 6-6.2 2mm, length 18-20cm, main working channel diameter 2.7-3 mm, 2 irrigation/suction side channel diameter 1.4-1.6, Scope should be autoclavable with fiberoptic light transmission incorporated.	1
Operating Sheath to be used with 4-to-8-degree operative scope, sheath should be graduated with rotating mechanism to keep working channel of scope in 360 degrees. Outer diameter and working length of sheath should be in compatibility with operative scope with maximum outer diameter 6.8 mm and minimum working length 13 cm.	1
Obturator to be used with sheath. Should be compatible with sheath.	1
Optical Obturator to be used with optical scope and sheath for guided entry into ventricles.	1
Optical Obturator should be compatible with sheath and optical Scope	
Optical Scope Forward Oblique Straight Telescope 0°, scope should be enlarged view with diameter 1.9-2.1mm, length 24-26 cm, scope should be autoclavable with fiber	1

optic light transmission incorporated	
Telescope 45° with enlarged view, diameter 3.1-3.3 mm, length 24-26 cm, scope should be autoclavable with fiber optic light transmission incorporated.	1
Biopsy Forceps, double jaws movement, diameter 1.1-1.3 mm, working length 28-30cm	1
Grasping Forceps, double jaw movement, diameter 1.1-1.3 mm, working length 28-30	1
Scissors, single-action movement, diameter 1.1-1.3 mm, working length 28-30 cm	1
Flexible Biopsy Forceps with double action jaws, diameter of forcep 2.9 to 3.1 Fr and length 28-30 cm	1
Bipolar Coagulation Electrode, diameter 1.1-1.3mm, working length 30-32cm	1
Bipolar Coagulation Electrode, diameter 1.5-1.7mm, working length 30-32 cm	1
Bipolar High Frequency Cord length minimum 300 cm. Universal Cable compatible with standard bipolar machines.	1
Articulated holding arm, L-shaped arm with mechanical central clamp for all five joint functions, height 48-50cm, operating range 50-52cm with fastener.	1
Socket to clamp on the operating table for use with European and United States standard rails should also be suited rails from 25x10 up to 35x8 mm. should be with lateral clamping element for height adjustment of the articulated holding arm	1
Metal Clamping Jaw for use with instrument and telescope sheaths, clamping range 4.8 up to 12.5 mm, with fastener.	1
Adaptor autoclavable, to be used with scope and camera head. this should permit telescope1 changing under sterile conditions	1
Ventriculoscope with Wide Angle Straight Forward Telescope 25-30°, angled eyepiece for better ergonomic working, outer diameter 6-6.2mm, length 18-20cm, main working channel1 diameter 2.7-3 mm, 2 irrigation/suction side channel diameter 1.4-1.6, scope should be autoclavable with fiber optic light transmission incorporated	1
Operating Sheath to be used with 25 degree to 30 degree operative scope, sheath should be graduated with rotating mechanism to keep working channel of scope in 360 degree. Outer diameter and working length of sheath should be in compatibility with operative scope with maximum outer diameter 6.8 mm and minimum working length 13 cm.	1
Operating Sheath to be used with 25 degree to 30 degree operative scope, sheath should be graduated with rotating mechanism to keep working channel of scope in 360 degree. Outer diameter and working length of sheath should be in compatibility with operative scope with maximum outer diameter 6.8 mm and minimum working length 13 cm.	1

Tray for Scope. Plastic Container for Sterilizing and Storage, container should be perforated with transparent lid, container should be with protected inserts for storage of two angled rigid telescopes. External, minimum dimensions (wxdxh): 515 x 240x 84 mm	1
Instrument Tray. Plastic Container for Sterilizing and Storage, perforated, with lid, for two- level storage, for Use with 30 cm and 36 cm Click Line- instruments, external dimensions (wxdxh): 600 mm x 145 mm x 260 mm	1
Instrument Tray. Plastic Container for Sterilization and Storage of Variable Instrument, container should be double level of storage, container should be perforated with transparent lid. Container should be with silicone mat and two-level storage External minimum dimensions (wxd x h): 545 x 260 x 115 mm. The plastic container should be suitable for steam, gas and hydrogen peroxide sterilization	1
Neuroendoscope for Intracranial Procedures. The set must be suitable for Ventriculostomies, Septostomy, Tumor Biopsy and Cyst Fenestration	1
	1
Ventriculoscope Wide Angle Straight Forward Telescope 4-6°, with angled eyepiece for better ergonomic working, outer diameter 3.4-3.6 mm, working length 18-20, working channel diameter 1.5-1.6 mm, with suction and irrigation] 2 side channels diameter 0.8-1mm, should be autoclavable Fiber optic light transmission incorporated	
Operating Sheath to be used with operative scope, sheath should be graduated with rotating mechanism to keep working channel of scope in 360-degree direction. Outer diameter and working length of sheath should be in compatibility with operative scope with maximum outer diameter 4.5mm and minimum working length 13 cm,	1
Obturator to be used with sheath. Should be compatible with sheath	1
Optical Obturator to be used with optical scope and sheath for guided entry into ventricles. Optical Obturator should be compatible with sheath and optical scope	1
Skullbase Surgery Set	1
StraightForward Telescope 0°, enlarged view, diameter 4 mm, length 30 cm, autoclavable, Fiber optic light transmission incorporated.	1
Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 30 cm, autoclavable, Fiber optic light, transmission incorporated.	1
Straight forward Telescope with straight eye peice of scope, diameter 4 mm, length 18 cm, autoclavable, Angle of view - 15 or 20 or 30 Degree, Angle of view - 45 Degree, Angle of view - 70 Degree, Angle of view - 90 Degree, Or single telescope diameter 4mm length 18cm with variable direction of view from 15 degree to 90degree, adjustment knob for selecting the desired direction of view, fiber optic	1

light transmission incorporated,	
Irrigation and Suction Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, for use will: variable angle of view Scope.	1
Straight Forward Telescope 0° with enlarged view. Scope diameter 4 mm, length 18-19 cm, scope should be autoclavable with fiber optic light transmission incorporated. Scope should be compatible with white light and ICG Light	1
Straight Forward Telescope 30° with enlarged view. Scope diameter 4 mm, length 18-19 cm, scope should be autoclavable with fiber optic light transmission incorporated. Scope should be compatible with white light and ICG Light	1
Nasal Scissors, medium size working length 9-10 cm	1
Cupittar/Nucleus Cutting Forceps single action jaws, movable jaw opening upwards, size 3- 4 mm, working length 18-20 cm	1
Forceps Straight , upturned, size 1, with cleaning connector, working length 11-13 cm	1
Forceps, 45° upturned, size 1, with cleaning connector, working length 11-13 cm	1
Knife , pointed, length 18-20 cm	1
Scissors, straight, with small handle, with cleaning connector, working length 18-20cm	1
Scissors, curved to right, with small handle, with cleaning connector, working length 18-20 cm	1
Scissors, curved to left, with small handle, with cleaning connector, working length 18-20 cm	1
Scissors, curved upwards, with small handle, with cleaning connector, working length 18-20 cm	1
Scissors, upturned 45°, delicate sheath 360 rotatable , with cleaning connector, working length 18-20 cm	1
Curette round spoon, tip slightly angled, size 1-3 mm with round handle, length 23-25 cm	1
Curette round spoon tip slightly angled, size 2-4 mm, with round handle, length 23-25 cm	1
Ring-Curette, round wire, ID 2-5-3-5 mm, tip angled 45°, with round handle, length 23-25 cm	1
Ring-Curette round wire, ID 2-5 mm, tip angled 45°, with round handle, length 23-25 cm	1
Ring-Curette, round wire, ID 2-4 mm tip laterally angled 90°, with round handle, length 23-25 cm	1

Bone Punch, detachable , rigid, upbiting 60° forward, size 1 mm, working length 15-17 cm	1
Bone Punch, detachable, rigid, downbiting 60° forward, size 2 mm, working length 15-17 cm	1
Bone Punch detachable rigid, downbiting 60° forward, size 1 mm, working length 15-17 cm	1
Bone Punch detachable rigid, downbiting 60° forward, size 3 mm, working length 15-17 cm	1
Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1-2 mm, straight sheath, straight jaws, with cleaning connector, working length 16-18 cm	1
Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1-2 mm, straight sheath, straight jaws, angled upwards 45 degree with cleaning connector, working length 16-18 cm	1
Backbiter, backward cutting , cross-toothed, cutting width 3-4 mm, straight jaws, sheath diameter 2.5-3.5 mm, straight, handle with cleaning connector, working length 10-14 cm	1
Bipolar high frequency Cord, length 290-300 cm,	1
Double prong bipolar forceps, straight jaws with rounded tip, jaws width 1.9-2 mm, sheath outer diameter 3.2-3.4 mm working length 18-20 cm, Bipolar should come in 4 parts handle, inner tube, outer tube and bipolar insert tip	1
Bipolar Grasping Forceps, tip size 0.8-1mm jaw angled 45 degree, outer sheath size 3 to 3.5mm, length 18-20 cm, Bipolar should come in 4 parts handle inner tube, outer tube and bipolar insert tip.	1
Bipolar forcep additional insert only 3 different tips	1
Plastic Container for Sterilization, especially suited for hydrogen peroxide sterilization and storage, perforated with lid, external dimensions (w x d x h):425-450x80-100x40-50 mm, for use with two rigid endoscopes up to max. 32 cm working length	1
Plastic Container for Sterilization, especially suited for hydrogen peroxide sterilization and storage, perforated with lid, external dimensions (w x d x h):310-330x80-100x40-50 mm, for use with two rigid endoscopes up to max. 20 cm working length`	1
Instrument Tray, Plastic Container for Sterilization and Storage of Variable Instrument, container should be with silicone mat and two- level storage. Container should be perforated with transparent lid. Container should be with silicon mat and two-level storage. External minimum dimensions (w x d x h): 545x260x115 mm. The plastic container should be suitable for steam, gas and hydrogen peroxide sterilization.	2

Spine Set Tubular Sequential Dilator System for Posterior Mid line Approach

Dilation Sleeve, graduated, inner diameter 1.5mm Outer diameter C 165.2 cm, length 23cm.	1
Dilation Sleeve, OD8.9 mm , ID 5.3 mm, graduated,, inner diameter 9 mm outer diameter 12.7 mm length 19 cm.	1
Dilation Sleeve, OD14.9mm, ID12.9mm, graduated, length 17cm,	1
Dilation Sleeve, OD16.9 mm, ID15.1 mm, graduated, length 15cm.	1
Dilation sleeve, OD18.9 mm, Id 17.1 mm, graduated, length 14cm.	1
Dilation Sleeve, Od20.9mm, ID19 mm, graduated, length 13cm.	1
Trocar Attachment, diameter 15 mm	1
Telescope Holder, diameter 15 mm	1
Trocar Attachment, diameter 23 mm	1
Telescope Holder, diameter 23 mm	1
Telescope 25-30°, eyepiece angled minimum 90°, diameter 3.5-4mm, length minimum 9cm, scope should be autoclavable with fiber optic light transmission incorporated, scope for use with 70-75mm long 15mm, 19mm & 23mm Trocar for all endoscopic discectomies.	1
Trocar, diameter 15mm, working length 70 mm for use with Torcar, Attachment, telescope holder and telescope	1
Trocar, diameter 19 mm , working length 70 mm, for use with Torcar Attachment, telescope holder and telescope	1
Trocar, diameter 23 mm, working lenth 75 mm, for use with Torcar Attachment, telescope holder and telescope	1
Telescope 25°, eyepiece angled 90°, diameter 4 mm, length 6 cm, autoclavable, fiber optic light transmission incorporagted, for use with 15,19 & 23mm Diameter and 40 to 45mm long Torcars for all endoscopic discectomies.	1
Trocar, diameter 15mm , working length 40 mm, for use with Torcar Attachment	1
Trocar, diameter 19mm , working length 40 mm, for use with Trocar Attachment	1
Trocar, diameter 23 mm working lenth 45 mm , for use with Torcar Attachment	1
Telescope 25°, eyepiece angled 90°, diameter 4 mm, length 11 cm, autoclavable, fiber optic light transmission incorporagted, for use with 15,19 & 23mm Diameter and 90 to 95mm long Torcars for all endoscopic discectomies.	1
Trocar, diameter 15mm , working length 90 mm, for use with Torcar Attachment	1
Trocar, diameter 19mm , working length 90 mm, for use with Trocar Attachment	1

Trocar, diameter 23mm , working length 95 mm, for use with Trocar Attachment	1
Suction Tube working length, working length 14-18 cm, diameter 2-4mm	1
Palpation Hook, straight, distally 8-10 mm long and angled 80-90°, with ball tip, working length 20-22cm	1
S[ppm Fprce[s / doscFprce[/ Cup Forcep/Neclus Cutting Forcep, working length 15 to 22cm	1
SpoonForceps / Disc Forcep / Cup Forcep, angled up 15 to 45 degree working length 15 to 22cm	1
Bone Punch should be able to dismantle in 2 parts, shouldbe of bayonetshape withdownbiting 40° forward 2 mm , should have working length 17 cm	1
Bone Punch should be able to dismantle in 2 parts, shouldbe of bayonetshape withupbiting 40° forward 2 mm , should have working length 17 cm	1
Hook Scissors, single jaw movement, size 2.5 – 2.7 mm, working length 23-25 cm	1
Rotation Socket, to clamp to the operatin table, should be with lateral clamping element for height adjustment of the articulated holding arm	1
Articulated holding arm, L-shaped arm with mechanical central clamp for all five joint functions, height 48-50cm with fastener.	1
Nerve Retractor, hook length 1-8-2 mm, diameter 3.8-4 mm, angled sheath, working length 20-22cm	1
Nerve Hook, distal width 2.5-3 mm, bayonet-shaped, working length 16-18cm	1
Double prong bipolar forceps, straight jaws with rounded tip, jaws wideth 1.9-2 mm, sheath outer diameter 3.2-3-4 mm, working length 20-22 cm, Bipolar should come in 4 parts handle, inner tube, outer and bipolar insert tip.	1
Bipolar Grasping Forceps, tip size 0.8-1 mm jaw, jaws angled 45 degree, outer sheath size 3 to 3.5 mm length 20 cm, Bipolar should come in 4 parts handle, inner tube, outer tube and bipolar insert tip	1
Bipolar High Frequency Cord with 2x 4 mm banana-plug, length 300 cm,	1
Plastic Container 2qty for sterilization and Storage of Variable instrument Sets, container should be perforated with transparent lid. Container should be with silicone mat and two level storage. External minimum dimensions (w x d x h): 545 x 260 x 115 mm. The plastic container should be suitable for steam, gas and hydrogen peroxide sterilization.	1
Exoscope ICG	1
2 DE Exoscope with integrated illuminator , working distance upto 25 to 75 cm in while light, 20 to 30cm for ICG light, Exoscope should be 10mm diameter 0 degree length 11cm, autoclavable, with fiber optic light transmission incorporated and condenser lenses. Scope should be compatible with white light and ICG light	1

Fiber Optic Light Cable, size 4.8 mm, length 300 cm, heat-resistant.	1
Clamping cylinder folding, for flexible mounting of 10 mm telescopes to telescope sheath, autoclavable.	1
The Clamping Cylinder allows vertical movement and rotation of the telescope. For use with Clamping jaw.	
Clamping Jaw, metal, for use with Telescopes, clamping range 16.5 up to 23 mm, with fastener	1
L-shaped Articulated Stand especially long operating range with one mechanical central clamp for all five joint functions, height 45-48 cm, operating range 62-66 cm	1
Socket to clamp on the operating table for use with European and United States Standard rails also suited for rails from 25x10 up to 35x8 mm with lateral clamping element for height adjustment of the articulated stand	1
Plastic Container for Sterilization and Storage of Variable Instrument Sets, container should be perforated with transparent lid. Container should be with silicone mat and two-level storage. External minimum dimensions (w x d x h): 545 x 260 x 115 mm. The plastic container should be suitable for steam, gas and hydrogen peroxide sterilization.	1

Camera Processor

Processor for following should be quoted:

2- Dimensional endoscopic video camera processor/link in 4k resolution (3840*2160) 1qty

3-Dimensional endoscopic video camera processor/link in 4k resolution (3840*2160) 1qty

System should have facility for Optical Contrast Differentiation System, and it should have special filter for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions.

System should be capable of Near infrared fluorescence Imaging (ICG application) with below features:

Overlay: White light image with superimposed display of NIR/ICR fluorescence.

Possible to select the preferred color for NIR/ICG Imaging:

Either blue or green

Monochromatic: NIR/ICR fluorescence signal in white. Background in black maximum contrast,

Intensity Map: White light image with superimposed display of NIR/ICR fluorescence. NIR/ICR signal display will appear in different colors depending on the strength of the detected NIR signal.

Picture in Picture of visualization modes with Standard and Optical Contrast Differentiation.

The system should have facility of 3x Digital zoom Lens or more.

The system should have facility for capturing 4K UHD, HD Stills and FULL HD Videos in External USB drive.

Automatic adjustment of light intensity of light source and controlled from Camera head.

Outputs: All Compatible outputs should be there (12GSDI, D,P) as a single output 4K resolution and DVI for HD resolution.

All above instruments & equipment should be supplied from single manufacturer.

4K Camera Head 1qty

Technical Specifications:

Pixels: 3840 x 2160 Pixels

AGC: Microprocessor controlled

Lens: Integrated Zoom Lens f=19 mm

Color space: BT.2020 emulation

Control buttons: 3 (2 of them freely programmable).

Camera Head Should be able to perform both while light and Near infrared application.

All above instruments & equipment should be supplied from single manufacturer.

55 Inch or more 4K 3D Monitor 1qty

All in one Medical Grade monitor capable of displaying:

55 inch or more monitor size

3D in 4K resolution

2D in 4K resolution

2D in Full HD resolution

3D in Full HD resolution

Should be supplied with Monitor Cart. 1qty

32 Inch one Medical Grade Monitor capable displaying :

32 inch or more monitor size

3D in 4K resolution

2D in 4K resolution

2D in full HD resolution

Should be supplied with 3D polarised Glasses 5qty

Should be supplied with 3D polarised clip on Glasses 5qty

Should be supplied with Monitor Stand should be mounted on cart, 1qty

All above instruments & equipment should be supplied from single manufacturer.

LED Light source with Fiber Optic cable 1qty each

Should have Lumen>2000

Lamp life of approx. 30.000 hrs.

3.5 mm Fiber Optic Cable and 300cm Long 1qty

Fiber Optic Light Cable, 550 cm, 4.5 m 1qty

Should have touch display which provides an intuitive & user-friendly interface that directly displays relevant data

Lamp type: High-performance LEDs, white light LED and near infrared LED, which are active individually or simultaneously.

Certified To: IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF

All above instruments & Equipment should be supplied from single manufacturer.

3D Video Exoscope for Microsurgery & Open Surgery 1qty

Integrated Video Exoscope with Zoom & Focus function, integrated Illuminator and Horizontal alignment, fiber optic light incorporated.

Sensor Type: 4K

Zoom : Infinite Variable

Working Distance: 20-50cm

Magnification: appx 8-30x

Cleaning: wipe Disinfection

3D Exoscope should be supplied with 3D camera link 1qty

All above instruments & equipment should be supplied from single manufacturer.

3D Video Endoscope Controller

Hand Control from sterile zone with control of Zoom , Focus and Rotation as well as navigation through the menu. It should have programmable buttons for doing the programmable of camera features like control of visualization modes, recording etc. 1qty. Should be supplied with universal Holding System. Articulated Stand , reinforced version, only, L-shaped, with one mechanical central clamp for all five joint functions, height 48 cm, operating range 52 cm ,with fastener 1qty. Rotation Socket to clamp on the operating table with one already mounted butterfly nut for use with European and United States Standard rails, with lateral clamping element height and angle adjustment of the articulated stand 1qty

Foot Control of Exoscope controller should also be supplied

Accessories:

Single use sterile cover for 3D video endoscope x 50 pieces

Single use sterile cover for controller/pilot x 40 pieces

Should be supplied with 3qty sterilization container

All above instruments & equipment should be supplied from single manufacturer.

Equipment cart from Same manufacturer should be quoted for all the above items.

All above instruments & equipment should be supplied from single manufacturer.

HD/4K Documentation System (Recorder System)

Recording:

Ø Medical grade documentation unit with CE

Ø Controllable via Touch screen of size 10" or more

Ø Capture video & images in 4K, UHD, Full HD, 3D & audio files.

Ø Internal storage of 2TB & more

Ø Should have minimum of 8 inputs and 8 outputs

Ø All inputs and outputs should be capable of routing 4K,3D and Full HD signals in native resolution.

Ø USB support for storage on USB drives.

Ø Supports network storage on file servers.

Ø Offer two channel simultaneous recording for still images & videos.

Ø Shall have HL7 connectivity.

Ø Shall have DICOM connectivity.

Ø WHO certified Patient Safety Checklist.

Ø Surgical video & image unicast streaming in Full High Definition (1920 X 1080) over local area network to multiple participants.

Ø Offer Uni-directional video transmission & bi-directional audio transmission over LAN.

Ø Streaming picture with telestration and controllable to all participants.

Ø All above instruments & equipment should be supplied from single manufacturer.

All above instruments & equipment should be supplied from single manufacturer. Holding Am for 3D Video Exoscope

Should be supplied with Exoscope holding clamp 1qty

Battery Operated Arm

Universal Holding System

Holding arm should be able to used /position/rotate with only one hand . Holding arm should be able to hold scopes from 5mm to 10mm also flexible and video scopes. Holding arm should be battery operated and should be compatible with every standard OR Table. Holding arm should be OR Table, Holding arm should be autoclavable. Holding arm should have quick release coupling mechanism for locking and unlocking various size clamping jaws. Holding arm must be reusable and rechargeable battery operated

Holding arm should be supplied with below listed components

Should have Holding arm base unit with battery slot to be fixed on OR Rail Clamp. 1qty

Should have sterilizable Long Holding arm with 700- 710mm arm length., 1qty

Should have Rechargeable battery 2qty (Rated voltage 14.4 V, Rated capacity 2500 mAh, Cell type 45 Li-ion with LED Status indicator)

Should have Battery Charging unit for charging and storing minimum 2 rechargeable batteries, it should also have connecting cable. 1qty

Should have Socket to clamp on the operating table, for use with European and United States standard rails, also suited for rails from 25x10 up to 35/8 mm, with lateral clamping element for height adjustment of the articulated stand 1qty

Should have Sterile cover with elastic tip minimum size 42*110cm. single use cover, 30 qty

Motorized Holding Arm 1qty

Motorized Holding ARM for flexible positioning of Exoscope in open, microscopic Minimal invasive procedures. The holding system should have no contact with patient and should not be invasive.

Holding arm should be mobile with only 1 control element for movement of Exoscope and holding arm.

Manual mode for easy initial positioning, Predefined minimum 8 start position

Save recall of the preferred position possible. Pivoting convenient movement around the center point of the image. with possibility of communicating with interphase

Special Safety feature to gain control of movement by main operating surgeon by both manual and software inside sterile zone

Special safety feature in case of accidental collision

Various color display of the screen for easy identification of readiness and present status of arm.

External Dimensions - (W*H*D) (600-1300* 1400-2400*800-1800)

Arm Reach- 800to900mm

Weight- 170to180kg

Power supply - 220-240VAC

Special Touch Screen Monitor for control of holding with below specification

Display Size 15 to 16 inch

Resolution 1366*766

Frequency - Horizontal 30-80kHz

Frequency - Vertical 50-75kHz

Contrast Ration- 500:1typical

Brightness - 300 cd/m2

DV Input - 24VDC

No of colors - 16.7 millions

Dimension (W*H*D)- 390-400*240-250*45-50

Weight- 3to3.2kg

Should have 2 antistatic dual casters Win locking breaks and cable guard's diameter 125mm.

Consisting of - Motorize Holding ARM including cart and monitor, Footswitch, Ethernet Cable.

All above instruments & equipment should be supplied from single manufacturer.

TECHNICAL SPECIFICATION FOR EMBALMING MACHINE SYSTEM

A) Main Unit

- Power : 220-240 Volt with trip facility
- Pressure: High pressure 0 to 80 lbs
- Flow rate: 0 to 1 gpm
- Jar capacity: 3.5 gallon fluid
- Powerful high speed 1/5 hp quiet, smooth running motor
- Solid state timing pulsator for long lasting maintenance free reliability.
(Peristaltic pump has no seals and one moving part Automatic shut off when fluid runs off Quick disconnect hose assembly comes standard)
- The equipment should be mounted on castors for easy movement and grip should be provided for lifting.
- I.V. stand fixed for mounting cannula tubing and mains cable.
- Indicator for mains on & in case should be present.
- The outer body should be of compete stainless steel.

B) Cannulas- Multiple/different size for Paediatric and adults.

C) Tubing-2 sets.

ELECTRO LOOP STERILIZER FOR ROUTINE DIAGNOSTIC TESTING OF OPD & IPD PATIENTS

Name of Items:

Electric Loop Sterilizer

1. Chamber Diameter: 12 mm
2. Sterilization Time: 5-8 seconds
3. Maximum Temp: 900°C
4. Electrical Supply: 220V/110 Single Phase AC Supply. 350 Watts
5. Safety Standards: En 61326-1

Please also update the requirement of Electric Loop Sterilizer from the earlier 4 to 5 Nos.

SPECIFICATION OF ICP MONITOR:

- Digital Display of Means, Systolic and Diastolic ICP
- One touch transducer zero function
- User programmable mean ICP alarms.
- Compatible with patient monitoring system for full ICP wave form analysis
- 0,20 and 100 mm hg patient monitor reference signals.
- Integral pole clamp

SPECIFICATION OF ICP CATHETER

- Small flexible and low profile.
- MR conditional/compatible.
- Minimal drift and accuracy.
- Metal bolt kit.
- Intra parenchymal catheter.

Specification of EtCO2 monitor

1. Main, stream Capnograph requires virtually no warm up time, with full accuracy in 15 seconds to measure and tidal carbon dioxide (EICO2) and respiration rate (RR)
2. Small portable capnograph – light weight design fits in the palm of your hand for unmatched mobility and convenience during short – term EtCO monitoring of adult, pediatric and infant patients.
3. Regged water- resistant design for reliable operation in challenging environments
4. No routine calibration required.
5. Simple, easy – to – use interface for quick set – up and one touch programming
6. Audible and visual alarm system for No Adapter, Clogged Adapter, No Breath (Apea), Low Battery and adjustable High and Low EICO2 alarm
7. Long battery life-upto 10 hours (Lithium) and 6 hrs (alkaline) of normal use with two standard AAA lithium batteries.
8. Ranges CO2=0.99 mm Hg/0-9.9 kpa, RR=3-150 bpm
9. Accuracy of CO2 should be 0-40 mm Hg; 41-99 mm Hg 6% of reading.
10. Accuracy of RR (Respiration Rate) should be +1 bpm.
11. Operating temperature should be _5 to 50C(23 To 122F)
12. Operating atmosphere pressure should be 70-120 kpa.
13. Operating Humidity 10-95% non condensing .
14. Storage temperature -30 to 70C (22 to 158 F).
15. Storage Atmospheric Pressure 50-120 kpa.

16. Dimensions should be 2.1 x 1.5 x 1.5,(5.2x3.9x3.9cm)
17. Adapter (adult, Pediatric, Infant). 05 Nos.

TECHNICAL SPECIFICATION FOR INTRA-OPERATIVE NEURO-MONITORING SYSTEM

1. Should have Amplifier with at least 32 recording channels with the option to upgrade up to 48 channels.
2. Stimulation and recording boxes should have colorcoding for ease of use and connectivity.
3. Should have monitoring capability of EMG(Continuous Muscle Action Potential) NAP (Nerve Action Potential), MEP(Motor Evoked Potential) SSEP (Somato (Somato-Sensory Evoked Potential), AEP(Auditory Evoked Potential), VEP (Visual Evoked Potential), TOF (Train of four), EEG(Electroencephalograph pulse (Phase- reversal SEP), Spine.
4. The Notebook should have at least Intel i5-644DHQ, 8GB RAM, 500GB, 1920x1080, Window 7, 1xUSB 2.0 2xUSB 3.0, 1xCOM, 1xDisplay, 1x Audio.
5. Should have Amplifier Bandwidth in the range of 0.5Hz- 5Hz.
6. Should have maximum input noise level of $\leq 1.5\mu V_{EFF}$ (30Hz-2.5kHz.).
7. Should have impedance measurement simultaneously on all input channels possible.
8. Should have constant current/voltage stimulator, charge balanced.
9. Should have controlled discharge stimulation pulse for optimizing the stimulation artifact reduction during recording of corticobulbar MEPs and D-waves.
10. Should have at least 12+1 channels for stimulation (in which 1 channel is dedicated for DNS)
11. Should have minimum of 0.05mA and a maximum of 5mA current range for DNS and for other stimulation channels with a maximum of 25mA or more current stimulation.
12. Should have 0.2 mA to 250mA or more current stimulation for MEPs.
13. Should have stimulation pulses in the range of 1-9 pulses.
14. Should have stimulation frequency in the range of 0.2 – 450Hz.
15. Should have pulse width of 60 μ s-1500 μ s.
16. Should have External Stimulator trigger via Foot/Hand switch or TTL trigger (at least available for EMG)
17. Should have external stimulators that can be used at the same time and all the stimulation outputs could be controlled separately.
18. Both the Referential amplifier (for recording EEG/SEP/AEP/VEP) and different recording (for recording EEG/SEP/AEP/VEP) and different recording (for recording EMG/MEP) should be available with the system.
19. Should have automatic storage of all recorded responses.
20. Future upgrades in hardware and software should be modular and automated, without need for further installation.
21. Should have pre-installed templates for different applications and easy programming of user defined measurement programs.
22. Measurements programs should be editable at any time during the measurement.
23. Should have both hardware and software mute function to reduce HF artifacts.
24. Should have simultaneous video and audio integration of up to four external sources
25. Should be capable of generating the patient report with all recorded measurements and patient details in a PDF/word format which could be accessible at any time.
26. Should have complete range of accessories for recording and stimulation for all application fields.
27. Should be supplied with:
 - a. Suction stimulation Probe-10no's
 - b. Monopolar stimulation probe Reusable/disposable-2no's/20no's respectively.
 - c. Bipolar stimulation probe Reusable/disposable-20no's/60 no's respectively.
 - d. Subdermal needle electrodes Reusable/disposable-20 no's respectively.
 - e. Corkcrew electrodes -100no's
 - f. D-wave electrodes – 10 no's
28. Should have possibility to record the whole screen including video and audio signal and storage on the PC or to the network.

29. Should have an option of upgradability to Micro Electrode Recording (MIER) and Planning Software in the same system from the OEM for Functional Neurosurgeries.
30. Must be European CE or US FDA approved.
31. The supplier need to provide the individual process of all reusable and disposable consumables required for operation of the system.
32. Should have 5 years warranty and comprehensive annual maintenance for 5 years after end of warranty period
33. Portable unit mounted on a hand luggage sized trolley for easy and safe transportation
34. Light weight and space-saving unit.
35. Mandatory comprehensive training of doctors and technical staff from the department of Neurosurgery
36. Placement of experienced application engineers for technical support during operative procedures for at least 1 year after successful commissioning of the unit.

Difficult Airway Clearance Management System
Airway clearance system base on High Frequency chest wall Oscillation. True Flow design with a uniquely designed airflow generator that delivers comfortable, consistent air volume to the garment resulting in predictable airflow performance.
Indicated for airway clearance for paediatric to geriatric population. Should accommodate accommodates use across the targeted population by providing a selection of garment sizes which is used along with the air pulse generator
Should be US FDA or European CE or BIS approved.
Should have simple, flexible programming – Normal Mode, Ramp Mode and Program Mode with Cough Pause Option. Frequency, pressure and time for every therapy session should be adjustable.
Allows the caregiver capability to create a new Ramp Program to ease the patient for a lower setting to a higher setting within the percent of the total therapy session.
Disposable garment material – Wrap SPU Vest and Full SPU Vest: Polyurethane – coated nylon.
Optional remote-control feature for use instead of the ON/OFF button to pause or resume the Air Pulse Generator
Electrical requirements – 100 V AC to 230 V AC, 50 to 60 Hz, 3,4 Amps @ 100 V AC, 2.0 Amps @ 230 V AC Fuse requirement – 4 A, 5 x 20 mm (fast blow, high breaking fuse)
Should come with air hoses that connect the disposable garment to the air Pulse Generator
Should have emergency stop option by patient
Should ease off pressure when paused Disposable garment material – Available in 2 options – Wrap SPU Vest and Full SPU vest: Polyurethane – coated nylon
Disposable garments are single – patient use, latex – free, disposable products for use on individual patient over multiple treatment sessions.