

**NOT TRANSFERABLE**



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



**E BID FOR THE PROCUREMENT OF MACHINERY & EQUIPMENT**  
**(REFERENCE NO: NIT/JKMSCL/M&E/2020/405)**

**DATED: 11 -07-2020**

**LAST DATE OF SUBMISSION OF ONLINE BIDS: -2020 upto 1600 hrs**

## BIDDING DOCUMENT FOR PROCUREMENT of MACHINERY & EQUIPMENTS

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

**Bid Submission Letter**  
***(Declaration Form)***

Sub: - Regarding Bid submission for **NIT/JKMSCL/M&E/2020/405** DATED **11 -07-2020**

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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Srinagar **Telefax:** 0194-2432008 **email:** [jkmsclj@gmail.com](mailto:jkmsclj@gmail.com);  
[epm.jkmscl@gmail.com](mailto:epm.jkmscl@gmail.com) **website:** [www.jkmscl.nic.in](http://www.jkmscl.nic.in)

Tender No. **NIT/JKMSCL/M&E/2020/ 405** .

**Dated:11 -07-2020**

On Behalf of Jammu & Kashmir Medical Supplies Corporation Limited, e-bid under two cover system (Technical bid in cover one 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](http://www.jktenders.gov.in), [www.jkmsclbusiness.com](http://www.jkmsclbusiness.com),. The cost of the tender along with tender processing fee 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 deposited in the Corporation's Bank Account No.0373040500000032 maintained at J&K Bank Limited, Branch Medical College Jammu, IFSC Code JAKA0MEDJAM or in the shape of Call Deposit Receipt valid at call, in favour of FA/Chief Accounts Officer JKMSCL drawn on any of the Scheduled/Nationalized bank Payable at Jammu/Srinagar. However, the DD/CDR/proof of NEFT/FDR shall have to be deposited, in original, at the office of MD, JKMSCL, Jammu/Srinagar before the last date/time of bid submission

**Sd/-**  
Managing Director  
Jammu and Kashmir Medical Supplies Corporation Ltd.



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**Telefax:** 0194-2432008 **email:** [jkmsclj@gmail.com](mailto:jkmsclj@gmail.com); [epm.jkmscl@gmail.com](mailto:epm.jkmscl@gmail.com)  
**website:** [www.jkmscl.nic.in](http://www.jkmscl.nic.in)

**BIDDING DOCUMENT FOR**  
**Procurement of Machinery & Equipment**

Tender No. **NIT/JKMSCL/M&E/405**

**Dated: 11 -07-2020**

Date of publication of e-bid : 11.07.2020 at 16.00 hrs  
Start date and time for download of bid document : 11.07.2020 at 16.05 hrs  
Last date and time for download of bid document : 25.08.2020 at 1600 hrs  
Clarification start date : 11.07.2020 at 1100 hrs  
Clarification end date : 28.07.2020 upto 1000 hrs

**Pre- bid conference**

**:29.7.2020 AT 11.00 A.M**

**(at Corporate Office, Jammu)**

Start date and time for submission of online bids : 11.07.2020 at 1000 hrs  
Last date and time for submission of online bids : 25.08.2020 at 1600 hrs  
Date and time for online opening of technical bids : 27.08.2020 at 1100 hrs  
Cost of tender document : Rs. 1000/- (For SSI Unit Rs. 100/-)  
Tender Processing charges : Rs. 9000/-

An amount of Rs.10,000.00 (Rupees Ten thousand only), comprising of cost of tender document as Rs.1000.00 (Rupees one thousand only) & Tender Processing charges as Rs.9000/- (Rupees Nine thousand only) shall have to be paid either through NEFT in the Corporation's bank **A/C No-0373040500000032** maintained at J&K Bank Medical College Jammu, **IFSC Code JAKA0MEDJAM** or by depositing the amount directly into the above account no. or **by submitting a Call Deposit Receipt (CDR) valid on call** in favour of FA/Chief Accounts Officer JKMSCL drawn on any of the Scheduled/Nationalized bank Payable at Jammu/Srinagar.

- (i) Scanned copies of Bank transfer/deposit receipt of cost of tender document and Tender processing fee and EMD in the shape of FDR/ CDR shall have to be uploaded along with Technical Bid.
- (ii) However DD/CDR (Call Deposit Receipt valid at call) in case of tender fee shall have to be deposited, in original, at the office of MD, JKMSCL, Jammu/ Srinagar before the last date and time of bid submission.

**1. Bid Security (EMD):**

- i. Rs 1,00,000/- for general bidders
- ii. Firms which are registered as MSME Unit(s) 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 MSME Unit(s) also.

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

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

Bemina Near Haj House- Srinagar (Kashmir)

**Note: -**

1. The bidder shall have to get themselves updated with the date & time fixed for Pre-bid as per the item list. After pre-bid meeting necessary changes in bid conditions shall be done with the recommendations of panel of technical experts drawn from the intending department after the approval of the competent authority. Bid should be submitted through e-portal [www.jktenders.gov.in](http://www.jktenders.gov.in) after pre-bid meeting including all the clarifications/ modifications/ amendments.
2. Corrigendum/addendum shall be the integral part of terms & conditions of bid which shall be duly signed and attached with the bid document by the bidder.
3. The JKMSCL is not bound to accept the lowest bid and may reject any/part thereof or all bids without assigning any reason thereof.
4. The bidders shall have to submit a **GST No. and valid 'GST'** clearance certificate/returns submitted from the State taxes Officer and the 'PAN' issued by income tax department.
5. It is clarified that the information required in bidding document should be submitted only in enclosed format bidding forms without any change or modification in its formats. Bids submitted with changed or modified annexure/ formats shall be rejected.
6. Information of award of contract shall be communicated to all participating bidders on the website [www.jktenders.gov.in](http://www.jktenders.gov.in). [www.jkmsclbuisness.com](http://www.jkmsclbuisness.com)

**Note: -**

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

**Important Note :**

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

TABLE-1

S. No.	Item code	Name of the item	Average Annual turnover for last 03 years
1.	DFC22	Binocular Microscope	05 crore
2.	MC1717	Computerized Radiography System (CR System)	05 crore
3.	DFC09	Water Bath	05 crore
4.	DFC08	Muffle Furnance	05 crore
5.	DFC12	Laminar Air Flow	05 crore
6.	DFC13	Bio Safety Cabinet Class II type B2 (Total exhaust)	05 crore
7.	DFC16	Digital Colony Counter	05 crore
8.	DFC18	Serological Water Bath	05 crore
9.	DFC20	Upright Frost Free Vertical Deep Freezer (-25 degree C)	05 crore
10.	DFC25	BOD Incubator	05 crore
11.	DFC30	Hot Air Oven	05 crore
12.	DFC32	Carbon Dioxide Incubator	05 crore
13.	MC1713	Shadow less Lamp Ceiling type minor (single dome)	05 crore
14.	MC1714	Shadow less Lamp Ceiling type major (double dome)	05 crore
15.	MC1707	High Capacity Electronic Oscillator System	05 crore
16.	DFC1901	HIGH SPEED REFRIGERATED CENTRIFUGE	05 crore
17.	DFC1902	5 DIGIT BALANCE	05 crore
18.	DFC1903	MAGNETIC STRIRRER	05 crore
19.	DFC1904	VORTEX MIXER	05 crore

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

**Note:**

1. The catalogues/brochures of the item shall be submitted along with the demand drafts in separate envelopes, 01 day prior to submission of online bids. The catalogues/brochures pertaining to the equipment information should be signed by the authorized signatory of the manufacturer.
2. No minimum quantity is guaranteed and the bidder shall not claim or compensation from the Jammu & Kashmir Medical Supplies Corporation Ltd.
3. Unsigned catalogues/brouchers pertaining to the equipment information shall not be considered & the tender for the said firm shall be out-rightly rejected.

## 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 connect any inaccuracies therein that may be in this bid document and is advised to carry out its own investigation into the proposed procurement, the legislative and regulatory regime which applies thereto and by and all matters pertinent to the proposed procurement and seek its own professional advice on the legal, financial, regulatory and taxation consequences of the entering into any agreement or arrangement relating to the proposed procurement.

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

The procuring entity is, its employees and advisors make no representation or warranty and shall have no liability to any person, including any bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred



or suffered on account of anything contained in this bid document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the bid document and any assessment, assumption, statement or information contained therein or deemed to form part of this bid document or arising in any way for participation in this bidding process.

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

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

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

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

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

**Managing Director**  
**Jammu and Kashmir Medical Supplies Corporation Ltd**

### Section-I Instruction To Bidders (ITB)

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

Clause No.	Description
1.	Go through the terms and conditions, annexure and other forms of the document carefully and meticulously & get your digital signatures available for uploading.
2.	Bid form must conform the terms & conditions of the bid documents and <b>Technical Bid in Cover-'A' &amp; Financial Bid in Cover-'B' to be uploaded on <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a>. The cost of tender, tender processing fee, in case of CDR/FDR and catalogues of the quoted items shall be submitted in the office of JKMSCL atleast one day prior to submission of online bids.</b>
3.	It is expected from all bidders that DD/CDR/FDR/BG in separate envelope shall be deposited with the authorised person of JKMSCL at reception against proper receipt from the concerned.
4.	Correspondences/Complaints lodged to JKMSCL should bear signature, name, I.D proof and mobile number of the complainant. Unauthenticated correspondence/complaints may not be acted upon. If any bidder intends to lodge a complaint or make a suggestion with regards to some bid condition, it shall be done in the Pre-bid conference, in the office of JKMSCL in writing. After the stipulated period as decided by the JKMSCL, no such complaint/suggestion would normally be considered.
5	Certificates/Licenses/Documents which are required should be complete and updated. The bidder shall submit acceptance of terms and conditions of the tender document as annexure All.
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 <a href="mailto:gmkjkscl1@gmail.com">gmkjkscl1@gmail.com</a> <a href="mailto:jksclcpm@gmail.com">jksclcpm@gmail.com</a> / <a href="mailto:gmjkscl@gmail.com">gmjkscl@gmail.com</a>
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 <a href="mailto:gmjkscl@gmail.com">gmjkscl@gmail.com</a> . 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 <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a> Similarly, information regarding financial bid (L-1) shall also be provided to bidders on above websites. Individual bidders shall not be informed separately.
11	<b>No firm/bidder/manufacture/importer shall provide/supply any of the product item at the rate contract /approved by JKMSCL to any of the department/NGO/other procuring institute within or outside the State. In case any supply is made in violation to the said condition (or), the supplier/firm shall be liable to be penalised to the tune of 7.5% of order placed/blacklisting for a period not less than five years (or) both as deemed fit, to the competent/Tender Inviting Authority. However, JKMSCL can procure the items for any of the departments within /outside the Union Territory of J&amp;K/after charging the administrative expenses.</b>
12	<b>The qualified bidders are required to submit the relevant documents and annexure uploaded with their e.bid in original alongwith catalogues at the time of issuance of LOI /execution of agreement before issuance of rate contract.</b>
13	<b>The bidder shall not under any circumstances quoted "Zero" anywhere in the BOQ including CMC. If the Bidder wishes to provide CMC " free of cost", same should be indicated in the relevant column of BOQ by quoting Re 1.00</b>

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

Clause No.	Description
<b>1.</b>	<b>Introduction</b>
1.1	The Procuring Entity is : Jammu & Kashmir Medical Supplies Corporation Ltd (J&K)
1.2	The expenditure on the subject matter of procurement shall be met by budgetary resources of demanding / indenting officers of the concerned department. The goods and related services to be procured are as per table 1 and <i>as per technical specifications</i>
1.3	The rate contract shall be valid for a period of two years which may be extended for a further period of three months.
<b>2.</b>	<b>Bidding document</b>
2.1	Bids are invited from manufacturers/direct importers/ authorised representatives of the original manufacturers/direct importers. Joint venture will not be allowed.
2.2	The price of the bidding document Rs. 1000/- as tender fee and Rs. 9000/- as tender processing charges (non-refundable)
2.3	<b>BID SECURITY:</b> <ol style="list-style-type: none"> <li>Bid shall be accompanied with an Earnest Money Deposit as indicated against each, with minimum of Rs. 1,00,000/- (Rupees One Lac only). Earnest Money deposit may be submitted / deposited before the last date &amp; time of Bid submission in shape of <b>FDR/CDR/BG</b>. The Bids submitted without sufficient bid security will be summarily rejected.</li> <li><b>Refund of bid security:-</b> The bid security of unsuccessful Bidders shall be refunded within 30 days after finalization of the tender. However, in case of successful bidders it shall be refunded only after the signing of agreement and furnishing of requisite performance security.</li> <li><b>Exemption from bid security:-</b> Firms which are registered as MSME Unit(s) 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 MSME Unit(s) also.</li> <li>The bid security deposit lying with the Corporation in respect of other tenders awaiting approval or rejected or on account of contracts being completed will not be adjusted towards earnest money for the fresh tenders.</li> </ol>
2.4	<b>FORFEITURE OF BID SECURITY:-</b> The bid security will be forfeited in the following cases: <ol style="list-style-type: none"> <li>When Bidder withdraws or modifies the offer after opening of tender but before acceptance of tender.</li> <li>When the Bidder does not deposit the security money after the supply order is given.</li> <li>When he fails to submit samples of quoted item on demand or</li> </ol>

	extended time by competent authority on the request of the Bidder. iv. When Bidder violates the any terms & conditions of the tender document.
2.4	The Pre-bid meeting shall be held at the office of JKMSCL, Jammu as per critical dates.
<b>3.</b>	<b>Preparation of Bids</b>
3.1	The language of the bid shall be in English only <b>The Bidder shall uploaded as per the documents reflected in the bid submission letter</b>
3.2	<b>No rate should be quoted/uploaded along with technical bid in all such cases bid shall be rejected outrightly. Rates are to be uploaded on BOQ only.</b>
3.3	Alternative bids are not permitted.
3.4	Discounts or award of combination of lots shall not be offered.
3.5	For goods offered from outside India/direct importer, the bidder shall quote prices including all kinds of costs like inland transportation, taxes, installation and commissioning charges up to the consignee site, complete in all respect including consumables kit for demonstration (if any).
3.6	The terms of quoting price of equipments are inclusive of all taxes/charges with installation and commissioning etc. complete in all respect.
3.7	The prices quoted by the bidder shall be fixed for entire contractual period of equipments. The contract price shall be fixed for a contact period of 24 months of the goods and related services; extendable upto 03 months with mutual consent.
3.8	The currency of the bid shall be multi-currency.
3.9	The bid validity period shall be minimum 180 working days from the opening of technical bid.
3.10	The scanned copy of complete bid document filled and signed on each page as per Instructions to bid (ITB) and other requirements need not to uploaded on website <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a> . <b>However, declaration regarding acceptance of all the terms &amp; conditions and other clauses as given in the tender document duly notarised shall have to be uploaded along with technical bid.</b>
3.12	The authorisation to sign on behalf of the bidder shall consist of power of attorney by the bidder/any valid certification or the change in bidder shall be resolved in the board of firm/ company which shall be immediately communicated to the JKMSCL. No authorised agent/dealer/supplier shall be allowed to make any declaration which is mandatory required to be made by the MD/chairman/Directors/authorised person designated by the manufacturing company/importer.
<b>4.</b>	<b>Evaluation and comparison of bid</b>
4.1	The price preference shall apply as per GCC and SCC provisions.
<b>5.</b>	<b>Award of Contract</b>
5.1	If the procuring entity does not procure any subject matter of

	procurements, the bidder shall not be entitled for any claim or compensation. No minimum quantity is guaranteed.
5.2	The period within which the contract agreement is to be executed and performance security is to be submitted is 15 days from the date of receipt of letter of intent (LOI) through email, fax/correspondence etc.
5.3	The performance security shall be required as per <b>GCC-10</b> @5 % of the value of the indicative quantity in favour of JKMSCL payable at Jammu/Srinagar.
<b>6.</b>	<b>Redressal Grievances during Procurement Process</b>
6.1	<p>I. In case of any dispute, the decision of Managing Director, JKMSCL shall be final and binding.</p> <p>II. If any dispute arise out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred by the parties to the Managing Director JKMSCL, J&amp;K who will appoint his senior most officer as the sole arbitrator of the dispute who will not be related to this contract and whose decision shall be final.</p> <p>III. <b>If any bidder or prospective bidder is aggrieved that any decision, action, omission of the procuring entity is in contradiction to the provisions of the Act/Rules of the guidelines issued there under; he may file an appeal to first &amp; final appellate authority, i.e Financial Commissioner to Govt. Health &amp; Medical Education Department, J&amp;K within 10 days from the date of such decision, action, omission as the case may be, clearly giving the specific ground(s) on which he/she feels aggrieved. Fee for such appeal shall be Rs. 10,000/- (ten thousand only), 50% of which shall be refundable, if the decision is announced in his/her favour.</b></p> <p>IV. Any legal dispute shall be within the jurisdiction of Hon'ble High Court of Jammu / Srinagar (J&amp;K).</p>
7.2	<p>Name &amp; Address of the Bidder:</p> <p>Name and Designation.....</p> <p>M/S .....</p> <p>Telephone No.....</p> <p>Telegram Code ..... Fax No.....</p> <p>Mobile No ..... e-mail address .....(email of responsible person be intimated)</p>

### SECTION III – QUALIFICATION AND EVALUATION CRITERIA

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2.	Evaluation Criteria	



## 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.	<b>Contractual experience:-</b> The bidder shall be a original manufacturer; direct importer; (or) authorised representative of the original manufacturer/direct importer, who must have manufactured/ imported, supplied and installed such equipments in India satisfactorily. The list of such installations may be asked from the bidder and the bidder should submit self attested copy of purchase order, indent and invoice (inclusive of quantity & rate).
2.	<b>Technical experience:-</b> The goods (similar) offered/ being procured by JKMSCL have been produced and sold for at least three years and have been in operation satisfactorily.
3.	<b>Production capacity :</b> 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.	<b>Financial position:-</b> 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.	<b>Cash Flow capacity :</b> 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.	<b>Litigation history:-</b> The information regarding all pending claims, arbitration, or other litigation is asked by the JKMSCL
7.	<b>Tax clearance certificates:-</b> The GST returns and other tax clearance certificate (latest) or declaration to be submitted by the bidder. Bidders shall have to submit a valid & latest 'GST' clearance certificate/return submitted from the concerned state taxes officer, GST No. and the 'PAN' issued by income tax department.
8.	<b>Declaration regarding qualifications :-</b> Declaration regarding qualifications of the bidder shall be given in specified format provided in bidding forms.

## 1. Evaluation Criteria

Claus	Description
1.	<b>Scope</b>
1.1	<b>Local handling and inland transportation:-</b> 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	<b>Minor omission and missing items:-</b> 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.	<b>Technical Criteria:-</b> 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.	<b>Economic Criteria:</b> - 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>i.e.</i> cost per test etc. The following may be examples: - 3.1, 3.2....
3.1	<b>Adjustment for deviations in the delivery and completion schedule:</b> - 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	<b>Operation and maintenance cost :</b> The operation and maintenance costs of equipments are taken into account for bid evaluation purposes. The methodology is elaborated at BOQ for determining lowest bid (L-1) Generally, the life cycle of equipment and its comprehensive maintenance period is defined in technical specifications. Presently, maintenance costs are evaluated at their present value over the life cycle of the goods and then added to the price of the goods for comparison of bids.
3.2	<b>Spare parts:</b> - Only those spare parts and tools which are specified on an item wise basis in the list of goods and related services Section V, schedule of supply shall be taken in account in bid evaluation. Supplier recommended spare parts for specified operating requirement shall not be considered in bid evaluation. <b>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 and CMC (wherever asked) i.e cost of main item + cost of Accessories + CMC = Total cost of equipment. (For Instruments CMC is not applicable)</b>
3.3	<b>Performance and productivity of goods:-</b> 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.

<b>4.</b>	<b>Price preference:-</b>
4.1	The price preference shall be given in evaluation of bids and award of contract as per MSME Policy in vogue.
4.2	<b>Taxes as</b> applicable, should be mentioned clearly and separately.

## Section IV: Bidding Forms

### Table of Contents

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

**(To be submitted on Firms' letter head)**  
**Technical Bid Submission Sheet (Cover 'A')**

**Managing Director**

Jammu & Kashmir Medical Supplies Corporation Ltd.

J&K

We, the undersigned, declare that:

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

S. No	Item	Particular	Attached at (Page No.)
1.	Technical bid submission sheet	Annexure I	
2.	Bid security (Through FDR/CDR/BG/EMD)		
3.	Bid / Tender charges ( Incl. Tender processing fee)		
4.	Self attested photocopy of IEC certificate of the Importer		
5.	Copy of GST Registration of the Bidder		
6.	Latest GST Returns of the Bidder		
7.	Copy of the PAN Card of the Bidder		
8.	Nature of the Firm/Public Company / Private Company/ Partnership/ Proprietorship/any other with		

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

<b>26.</b>	Bid security (Through FDR/CDR/BG/EMD)		
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I/we understand that our bid shall liable to be declared non responsive in case of any deficiency in fulfilment of above requirements on our part.

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

Name/Address.....

in the capacity of.....

(Designation)..... Signed.....

duly authorized to sign the bid for and on behalf of.....

(Name of Firm).....

Dated..... Tel:.....Fax:.....e-mail:.....

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

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

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

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

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

S. No.	Item Description	Item Code	Unit	Qty	Currency type	Basic Equipment cost for one unit	Packing & forwarding charges/freight insurance charges	Indian Agency Commission for 1 unit in foreign	Custom Duty	SGST	CGST	IGST	Custom clearance in foreign	Total Amount including Taxes
1	2	3	4	5	6	7	8	9	10	11			12	13
	Main item													
	Accessories, if any.													
	Indian items													
CMC for 1st Year		CMC for 2 <sup>nd</sup> Year		CMC for 3 <sup>rd</sup> Year		CMC for 4 <sup>th</sup> Year		CMC for 5 <sup>th</sup> Year		Total amount including CMC				
14		15		16		17		18		19				

**Note: -**

- The rate quote should be as per BOQ.
- CGST , SGST OR IGST should be separately shown.
- 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 including CMC. If the Bidder wishes to provide CMC "**free of cost**", same should be indicated in the relevant column of BOQ by quoting Re 1.00
- Finalization of the rates shall be made on the basis of price quoted in BOQ including CMC of five years i.e Total amount including cumulative CMC for 05 years (after 05 years guarantee period)
- Custom duty, if applicable shall be indicated separately.
- The final rates quoted at Column No. 19 shall be considered as final rates and shall be considered for evaluating financial bid. L1 rate shall be finalised on the basis rate + CMC and taxes as applicable at the time of execution.
- The price for evaluating L1 (as per BOQs) shall be decided on the basis of cumulative rates of Main item, Accessories (wherever asked) and CMC i.e cost of main item + cost of Accessories+ Indian items + CMC = Total cost of equipment.**
- The price of the optional item shall not be considered for evaluating/declaring L1.**

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

**(For Imported equipment)**

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

- At site LC would be opened.



2. In case of supply through sea, LLOYD A level vessel would be used for shipment of supplies which should not be more than 15 years old.
3. Supplies shall be insured vide comprehensive Insurance Policy including machine insurance by the OEM till the final delivery site shall also include "Force Majeure".
4. Pre-dispatch inspection shall be carried out by OEM by certified inspection agency before shipment of supply.
5. ***The CIF (cost insurance freight)/CIP (cost insurance price) upto New Delhi, should be in Foreign Currency, payable by the Principal company in that currency only as per the mode of L.C stipulations. The CIF prices shall be borne by the firm upto site.***
6. ***The custom duty shall be paid as actual on the production of documentary proof. No Custom duty exemption certificate shall be issued by JKMSCL to facilitate custom clearance on the concessional rates.***
7. ***CIF price of optional accessories, if any, Percentage of Indian direct Importer/authorized representative's percentage (Indian agency commission), if any, on FOB (Freight on board) Price which shall be payable to the Indian direct Importer (Indian Agency) in Indian currency at the exchange rate as mentioned below. However local accessories, if quoted in Indian currency, GST shall be paid as admissible under rules.***
8. ***The prices quoted should be as per the international price of the manufacturer applicable to all the countries including India.***
9. ***The L1 shall be calculated on the basis of conversion of currency as on date of opening of financial bid.***

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

### Declaration and Undertaking by the Bidder

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

1. I/We..... (Name of firm) certify that the quoted model (of quoted item) is of latest technology and is not outdated.
2. I/We certify that the rates (of quoted item) are reasonable and not sold on lower rates to anyone than charged from JKMSCL.
3. I/We do hereby accept condition of guarantee period with spare parts of each quoted equipment as per terms & conditions and/or technical specifications. (From the date of installation/ demonstration).
4. (a) I/We do hereby undertake that our company/firm has not been black listed/banned/debarred 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 by.....  
(Name, Address of Govt./dept./State) and detailed information is as given below:
  - (i) Cause of blacklisting/banning/debarring.
  - (ii) For which item.....
  - (iii) Period of black listing/banning/debarring.
  - (iv) Latest Status of black listing/banning/debarring.
4. I/We hereby confirm that we have deposited all the GST/all applicable taxes as on date of submission of tender with the concerned authority/department. No GST/other taxes is due on the firm as on date of submission of tender.
5. I/we do hereby agree to the condition that JKMSCL may, if deemed fit go for the third party maintenance under Comprehensive equipment maintenance programme of Govt. of India.

### VERIFICATION & DECLARATION

I/we.....S/o.....age  
d.....years residing at ..... authorized  
bidder/proprietor/ partner/director of firm M/s..... verify  
and confirm that the contents of bidding documents , its bidding forms, Annexures  
and other information submitted for bid no.

..... are true and correct to the best  
of my knowledge and nothing has been concealed therein.

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

Place :-  
Dated:-

Signature of the Deponent  
Name :  
Designation

**Declaration of Manufacturer/Direct Importer/Indian Subsidiary**  
**To be submitted on non judicial stamp paper of Rs. 100 duly notarised**

Date:\_\_\_\_\_ NIB No.:\_\_\_\_\_

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

I/we further declare that:-

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

**on letter Head of** Bidder / Manufacture/Indian Subsidiary of Principal Manufacturer

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

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

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

Place

:

Date

d :

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 2by us.

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

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

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

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

Yours faithfully,

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

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

(On Firm's letter head)  
**Memorandum of Appeal**

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

1. Particulars of appellant:  
(i) Name of the appellant:  
(ii) Official address, if any:  
(iii) Residential address:
2. Name and address of the respondent(s):  
(i)  
(ii)  
(iii)
3. Number and date of the order appealed against and name and designation of the officer/ authority that passed the order (enclose copy), or a statement of a decision, action or omission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved:
4. If the appellant proposes to be represented by a representative, the name and postal address of the representative:
5. Number of affidavits and documents enclosed with the appeal:
6. Ground of appeal:  
.....  
.....  
..... (supported by an affidavit)
7. Prayer:.....  
.....  
.....

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

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

Appellant's signature

((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 2017-18, 2018-19 & 2019-20 and shall be responsible, if any variation/discrepancy is found during evaluation /later stage.

Sl. No.	Financial Years	Turnover in Lakhs (Rs.)
1.	2017-18	-
2.	2018-19	-
3.	2019-20	-
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 turn over 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.

(Annexure IX)

On Firm's letter head

**LIST OF ITEMS QUOTED IN THE BID**

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



## 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
<b>1</b>	<b>List of goods and related services</b>
1.1	Name of item.....
1.2	Related services are delivery, local transportation, installation, commissioning, demonstration and training etc.
1.3	Guarantee period starts from the date of successful installation for a period of five years.
1.4	Comprehensive maintenance contract shall be executed for a period of five years from the date of completion of guarantee period. However, JKMSCL may, if deemed fit, enter into third party agreement under comprehensive equipment maintenance programme, Govt. of India.
<b>2</b>	<b>Delivery and completion schedule</b>
2.1	<b>SUPPLY ORDERS AND SUPPLY SCHEDULE:</b>
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	<b>PROCURING ENTITY'S RIGHT TO VARY QUANTITY:</b>
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	<b>SUBMISSION OF CONTRACT COMPLETION REPORT</b>
2.3.1.	A consolidated statement shall be submitted to General Manager, EPM by the 10 <sup>th</sup> of each month. Every time the statement should contain details of all orders placed under the contract.
2.3.2	Firms shall have to submit consolidated statement in duplicate at the end of rate contract as well as after expiry of equipment / instrument guarantee period (as provided in guarantee clause of the contract) to enable the corporation to examine the case for refund of performance security.
2.3.3	The consignee shall intimate the contract /supplier about the defect (s) at once in such a manner, so as to reach the office of the firm immediately and before completion of guarantee period. It shall be the responsibility of the consignee to get the complaint of guarantee period. It shall be the responsibility of the consignee to get the complaint of defective equipment of defective performance registered immediately with the office of JKMSCL.
2.5	<b>PACKING &amp; INSURANCE:</b>
2.5.1	The good shall be delivered at the destination in perfect condition. The firm if so desires may insure valuable goods against loss by theft, destruction or damages by fire, flood, under exposure to weather of otherwise in any situation. The insurance charges will have to be borne by the supplier and the corporation shall not be required to pay any such charges, if incurred.
2.5.2	The firm shall be responsible for the proper packing so as to avoid damages under normal conditions of transport by sea, rail, road or air and delivery of material in good condition to the procurement officer's store. In the event of any loss, damage, breakage or leakage or any shortage the firm shall be liable to make good such loss and shortage found at destination after the checking/inspection of

	material by the consignee. No extra cost on such account shall be admissible. The firm may keep its representative to verify any damage or loss discovered at the consignee's store, if it so likes.
2.5.3	The material received with damaged packing (or) without packing as per terms & conditions of NIT (or) in damaged state, shall be liable to the minimum penalty of 2.5% of the value of the damaged item (or) quantity received with damaged packing. Further packing, cases, containers and other allied material if any shall be supplied free, except where otherwise specified by the firm(s) and agreed by the corporation and the same shall not be returned to him.
2.5.4.	<p><b>Packing specifications</b></p> <p>Schedule for packing – General specifications</p> <ol style="list-style-type: none"> <li>1. All items should be packed only in first hand boxes only.</li> <li>2. Label: Every box should carry a large outer label clearly indicated that the product is for <b><u>“JKMSCL Supply” for the year, “Not for Sale”</u></b> 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.</li> </ol> <p><b>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.</b></p>
<b>2.6</b>	<b>REJECTION OF GOODS:</b>
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.
<b>2.7</b>	<b>Payment Terms (For items quoted in foreign currency)</b>
2.7.1	<p><b>For Payment through Letter of Credit</b></p> <p>80% payment shall be released against presentation of shipping documents against submission of bank guarantee and 20% after satisfactory installation certificate issued by the user department.</p> <p><b>Letter of credit would be opened subject to following additional conditions:-</b></p> <ol style="list-style-type: none"> <li>1. At site LC would be opened.</li> <li>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.</li> <li>3. Supplies shall be insured by the OEM till the final delivery site shall also include "Force Majeure"</li> <li>4. Pre-dispatch inspection shall be carried out by OEM by certified inspection agency before shipment of supply.</li> <li>5. <b>The product shall be comprehensively insured upto site of installation for all type of insurance.</b></li> </ol> <p><b>For Indian items :</b></p> <p>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 be uploaded alongwith e.bid.
2.7.4	No advance payments towards cost of items shall be made to the bidder.
2.7.5	If at any time during the period of contract, the price of bid items is reduced or brought down by any law or Act of the Central or State Government or by the bidder himself, the bidder shall be bound to inform Managing Director JKMSCL immediately about it. Purchasing authority shall be empowered to unilaterally effect such reduction as is necessary in rates in case the bidder fails to notify or fails to agree for such reduction of rates. In case this reduction of rates comes to the knowledge of JKMSCL in later stage, additional payment made w.e.f of the details of rates shall be charged from the firm with 1.5% monthly interest from the date/till rates have been reduced besides action as

	desired fit by JKMSCL which may be debarring/any other penalty as per penalty clause.
2.7.6	In case of any enhancement in taxes/duty due to notification of the Government after the date of submission of bids and during the bid period, the quantum of additional taxes/duty so levied shall be allowed to be charged extra as a separate item without any change in the basic price structure of the items approved under the bid. For claiming the additional cost on account of the increase in tax/ duty, the bidder should produce a letter from the concerned authorities for having paid additional tax/duty on the goods supplied to ordering authority and also must claim the same in the invoice separately. Similarly if there is any reduction in the rate of taxes/duty of items, as notified by the Government, after the date of submission of bid, the quantum of the price to the extent of reduction of taxes/duty of items will be deducted without any change in the basic price structure of the items approved under the bidder.
2.7.7	In case of successful bidder has been enjoying exemption on any criteria, such bidder will not be allowed to claim taxes/duty at later point of time during the tenure of contract, if the taxes/ duty become chargeable on goods manufactured due to any reason.
2.7.8	If there is any hindrance by the consignee to provide the required site for installation the part payment of equipment shall be made / decided by JKMSCL. In that case, the firm has to inform JKMSCL immediately.
<b>2.8</b>	<b>LIQUIDATED DAMAGES:</b>
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

	<p>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&amp;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.</p> <p>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.</p>
2.8.6	LD for damaged packing or loose packing equivalent to 2.5% of the value of the products received with damaged packing or in loose packing or with packing not conforming to the terms and conditions, specified in the tender document.
<b>2.9</b>	<b>RECOVERIES:-</b>
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	<b>Testing &amp; 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.</b>



### 3. Technical Specifications:

Annexure: AVI (technical specifications attached for Table I)

#### General features:

- i. Bidders are requested to send printed descriptive literature/catalogue of the quoted items duly sealed by MD/Chairman/authorised signatory of the firm/bidder in the office of Jammu and Kashmir Medical Supplies Corporation Ltd. one day prior to last day of uploading of the bid. The catalogues alongwith compliance sheets should also be uploaded with the technical bid.
- ii. If bidder supplied to or have rate contract of quoted items with any other Govt. institutions within one year, he may be asked to provide copies of purchase orders, invoices and rate contract.

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

#### 5. Inspection and Tests

Clause No.	Description
5.1	<b>INSPECTION OF EQUIPMENTS AND INSTRUMENTS:-</b>
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.	<b>Definitions</b>
	<p>The following words and expressions shall have the meanings hereby assigned to them:</p> <p><b>'Act/Rules'</b> means Acts &amp; rules prevailing in J&amp;K Union Territory in terms of procurement.</p> <p><b>'Completion'</b> Means the fulfilment of the supplies and Related Services by the supplier in accordance with the terms and conditions set forth in the contract.</p> <p><b>"Contract"</b> 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.</p> <p><b>"Contract Documents"</b> Means the documents listed in the agreement, including any amendments thereto.</p> <p><b>"Contract Price/Rate"</b> 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.</p> <p><b>"Day"</b> Means calendar day.</p> <p><b>"Delivery"</b> 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.</p> <p><b>"GCC"</b> Means the general conditions of rate contract.</p> <p><b>"SCC"</b> Means the special conditions of rate contract".</p> <p><b>"Goods"</b> 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.</p> <p><b>"Procuring Entity"</b> Means the entity purchasing the goods and related services, Managing Director Jammu and Kashmir Medical Supplies Corporation, J&amp;K, or as specified in the special conditions of the contract (SCC).</p> <p><b>"Related Services"</b> 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. <b>"Subcontractor"</b> Means any natural person, private or government entity, or a combination of the above,</p>

	<p>including its legal successors or permitted assigns, to whom any part of the goods to be supplied is subcontracted by the supplier.</p> <p><b>"Supplier"</b> 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><b>Authorised representative</b> : 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><b>Authorised signatory</b> : 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><b>"The Site"</b> 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><b>"Consignee"</b> Means the receiver of the stores as mentioned in supply order.</p>
<b>2.</b>	<b>General terms</b>
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 : <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a> . 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 <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a> 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><b>(i)</b> A combined undertaking/declaration regarding that the quoted item :</p> <ul style="list-style-type: none"> <li>a. Model is of latest technology, the item has not become outdated, that the rate quoted is not more than the rate charged from anyone else,</li> <li>b. That the bidder is not black listed or banned or debarred by central or any state government or its append gages,</li> <li>c. Availability of spare parts and consumables for the quoted equipment for at least 10 years/life of the item, from the date of installation.</li> </ul> <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&amp;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><b>(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.</b></p> <p><b>PLEASE ALSO NOTE THAT: -</b></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 <a href="http://www.jktenders.gov.in">www.jktenders.gov.in</a>. The rate should not be disclosed/uploaded in the technical bid. <b>Rates uploaded along with technical bid shall means out rightly rejection of bid of the concerned person.</b></p>
2.8	<p>The required amounts towards cost of bid document and tender processing charges shall be deposited as mentioned at page 5 &amp; the EMD in form of FDR/CDR/BG pledged in favour of Chief Accounts Officer, JKMSCL the in the corporate office of Jammu and Kashmir Medical Supplies Corporation, Jammu/Srinagar 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 &amp; 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 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&amp;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>
<b>3</b>	<b>BID SECURITY:</b>
	<p>(i) Bid shall have to be accompanied with a scanned copy of FDR/CDR/BG as bid security. However, the FDR/CDR/BG as bid security shall have to be submitted before the opening of technical bid with a validity of 30 months. Bids submitted without sufficient bid security &amp; 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"> <li>the expiry of validity of bid security;</li> <li>the cancellation of the procurement process; or</li> <li>the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.</li> </ol> <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>
<b>4</b>	<b>FORFEITURE OF BID SECURITY: -</b>
	<p>The bid security shall be forfeited if:</p> <ol style="list-style-type: none"> <li>The bidder withdraws or modifies the offer after opening of financial bid, but before acceptance of bid,</li> <li>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),</li> </ol>

	<ul style="list-style-type: none"> <li>(iii) The bidder does not deposit the 'performance security' after the supply order is placed/requested for signing the agreement,</li> <li>(iv) The bidder fails to commence the supply of the items as per supply order within the time prescribed,</li> <li>(v) The bidder fails to submit samples/demonstration of quoted item on demand</li> <li>(vi) The bidder violates any of the terms &amp; conditions of the bid document.</li> </ul>
<b>5</b>	<b>WARRANTY CLAUSE:-</b>
	<ul style="list-style-type: none"> <li>(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.</li> <li>(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.</li> <li>(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 &amp; 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</li> </ul>

	<p>required specifications, the payment thereof, if received by the supplier, shall have to be refunded to the Jammu and Kashmir Medical Supplies Corporation, J&amp;K along with interest to the tune of 1.5% per month from the date of release of payment. The supplier will not have any rightful claim to the payment of cost for substandard supplies, which may have been consumed, either in part or whole, pending receipt of laboratory test / inspection report, wherever required. Supply of goods less in weight and volume than those mentioned on the label of the container, the same will be dealt with in the manner prescribed under rules.</p>
<b>6</b>	<p><b>MARKING</b></p> <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: center;">JKMSCL SUPPLY ( _____ ) NOT FOR SALE</p>
<b>7</b>	<p><b>COMPARISON OF RATES:</b></p> <ul style="list-style-type: none"> <li>(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.</li> <li>(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&amp;K and the rates must be quoted accordingly. No cartage or transportation charges shall be payable.</li> <li>(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.</li> <li>(v) In the event of any subsequent variation (increase or decrease) in the rate of GST or nay other taxes by the government (state /UT or central), the same will be admissible accordingly.</li> <li>(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&amp;K.</li> <li>(vii) The bidder will exercise all due diligence at their own</li> </ul>



	<p>level regarding applicability of other taxes, duties and fees etc. for the unit of supplies as specified in the bid document and accordingly include the same in their quotes. Any additional/extra claims over and above the rates agreed pertaining to taxes, duties and fees etc. will not be entertained later on any account.</p> <p>(viii) No part of the bid document should be detached / deleted.</p> <p>(ix) <b>For comparison of rates, the average comprehensive annual maintenance charges shall be added to the rate quoted for the equipments, if comprehensive annual maintenance is applicable.</b></p>
<b>8</b>	<b>SUBMISSION OF SAMPLES/CATALOGUES AND DEMONSTRATION</b>
	<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&amp;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"> <li>Name and full address of the firm</li> <li>Catalogue no. and name of the item</li> <li>Name of section</li> <li>Name of manufacturer</li> <li>Brand</li> </ol> <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 <b>at the time of agreement</b>. However, while uploading the technical bid, only the declaration regarding acceptance of terms &amp; conditions shall be uploaded.</p> <p>(ii) The period of rate contract shall be 24 months from the date of issuance of rate contract. The Managing Director, JKMSCL can extend the original rate contract subject to original terms and conditions for a period deemed fit by them, but not exceeding three months, for which the bidder shall abide.</p> <p>(iii) Successful bidders, whose offers are accepted, shall have to deposit performance security @5% of the value of the supply order in favour of Chief Accounts Officer, JKMSCL within 15 days from the date of issuance of letter of intent. The performance security shall be deposited in the form of FDR/CDR/B.G (Bank Guarantee). However, the bank guarantee shall be for a validity period of six months, beyond the guarantee period sought for the item.</p> <p>(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.</p> <p>(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.</p> <p>(vi) The Performance Security: The Performance Security (P.S.) shall be 5% of the total value of stores ordered for supply. The payment shall not be released against supplies until the additional Performance Security due is deposited by the supplier or additional.</p> <p>(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.</p> <p>(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.</p> <p>(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&amp;K may condone the delay in execution of contract by the bidder. The</p>

	<p>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.</p> <p>(x) The bidder shall furnish the following documents at the time of execution of agreement:-</p> <p>(i) Attested copy of partnership deed in case of partnership firms.</p> <p>(ii) Registration number and year of registration, in case partnership firm is registered with registrar of firms;</p> <p>(xi) Address of residence and office, telephone numbers, in case of sole proprietorship with :</p> <p>(i) Registration issued by registrar of companies under Registrar of companies Act 1956, in case of company.</p> <p>(ii) Comprehensive maintenance agreement, if applicable.</p> <p>(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&amp;K and decision of Managing Director JKMSCL J&amp;K shall be final.</p> <p>(xv) The rate contract can be repudiate/rejected at any time by the Managing Director JKMSCL, J&amp;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&amp;K may terminate the agreement of contract at any time without notice/intimation to the successful bidder.</p>
<b>11</b>	<b>SUPPLY ORDERS:</b>
	<p>(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.</p> <p>(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 &amp; cost purchase provision.</p> <p>(iii) In case of imported items, 30 days shall be given in addition to above mentioned period,</p> <p>(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.</p> <p>(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</p>

	<p>matched L1 rates. In such a case, the requirement may be met by dividing the quantity among the rate contract holders considering the quantity required and dedicated capacity of the successful bidders.</p> <p>(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.</p> <p>(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.</p>
<b>12</b>	<b>SUBMISSION OF CONTRACT COMPLETION REPORT</b>
12.1	A consolidated statement shall be submitted to General Manager, EPM by the 10 <sup>th</sup> of each month. Every time the statement should contain details of all orders placed under the contract.
12.2	Firms shall have to submit consolidated statement in duplicate at the end of rate contract well as after expiry of equipment / instrument guarantee period (as provided in guarantee clause of the contract) to enable JKMSCL to examine the case for refund of performance security.
12.3	The end user shall intimate the complaint/defect arise immediately to the manufacturer/importer/representative with copy to JKMSCL for further follow up..
<b>13</b>	<b>LIQUIDATED DAMAGES:</b>
	<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 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&amp;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 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&amp;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&amp;K).</p> <p>(i) If the bidder is unable to complete the supply within the specified or extended period, the purchasing officer shall be entitled to purchase the goods or any part thereof from elsewhere without notice to the bidder on his (i.e., bidders) account at his cost and risk, with the prior approval from JKMSCL. The bidder shall be liable to pay any loss or damage which the purchasing officer may sustain by reasons of such failure on the part of the bidder. The bidder shall not be entitled to any gain on such purchases made against default. The recovery of such loss or damage shall be made from any sums accruing to the bidder under this or any other contract with the corporation/government. If recovery is not possible from the bill and the bidder fails to pay the loss or damage within one month of the demand, the recovery of such amount or sum due from the bidder shall be made or any other law for the time being in force. In case supplier fails to deliver ordered goods, the risk purchases may be made at market rate from any other firm. It is mandatory for the approved supplier to acknowledge receipt of orders within seven days from the date of dispatch of order, failing which the procuring entity will be at liberty to initiate action to purchase the items on risk purchase provision at the expiry of the prescribed supply period.</p> <p>(ii) In case of wrong quoting, (or) if successful bidder refuses (or) fails to execute the supplies on the basis of wrong quoting of rates, the bidder shall be penalized with forfeiting of amount equivalent to the Performance security for the said product (or) debarring/ blacklisting of firm for that particular product(s) for a period not less than 02 years (or) both as deemed fit by TIA i.e. MD, JKMSCL.</p>
14	<p>(i) JKMSCL shall procure the machinery &amp; equipment for the Health &amp; Medical Education Institutes of J&amp;K State, 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	<b>RECOVERIES</b>

	<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 &amp; security deposits available with Corporation. In case recovery is not possible, recourse will be taken under law in force.</p> <p>(ii) <b>Any recovery on account of L.D. charges/risk &amp; 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&amp;K regarding authenticity of sum payable shall be final.</b></p>
<b>16</b>	<b>INSPECTION:-</b>
	<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&amp;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 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	<p><b>PACKING AND INSURANCE</b></p>
	<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	<p><b>REJECTION</b></p>
	<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 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</p>



	<p>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>
<b>19.</b>	<b>CORRECTION OF ARITHMETIC ERRORS</b>
	<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> <p>(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;</p> <p>(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.</p> <p>(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> <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>
<b>20</b>	<b>PROCURING ENTITY'S RIGHT TO VARY QUANTITY:</b>
	<p>(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.</p> <p>(ii) If the Managing Director JKMSCL J&amp;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.</p> <p>(i) If the Bidder fails to supply the Managing Director JKMSCL J&amp;K shall be free to arrange/procure the items and the extra cost incurred shall be recovered from the Supplier.</p>

<b>21.</b>	<b>PARALLEL RATE CONTRACT</b>
	<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> <ul style="list-style-type: none"> <li>(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.</li> <li>(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.</li> <li>(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.</li> <li>(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.</li> <li>(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</li> <li>(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).</li> <li>(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.</li> <li>(viii) If the L-1 supplier has failed to supply / intimated JKMSCL about his inability / delay in supply as per the supply order, the required items within the stipulated time or as the case may be, JKMSCL may also place purchase orders with the matched L-1 Bidders for purchase of the items provided such matched L-1. Bidders shall execute necessary agreement indicating the production capacity as specified in the bid document on depositing the required amount. Such bidder is eligible for the placement of purchase orders for the item quoted by them.</li> </ul>



	<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 place with L-2 first on matched rates of L-1 and in case L-2 does not have the required capacity than L-3 would be considered on matched L-1 rates and the same order would be flowed in case of L-3, L-4, etc.</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>
<b>22</b>	<b>VALIDITY OF BID:</b>
	Bids shall be valid for a minimum period of 120 days from the date of opening of technical bid. Prior to the expiry of the period of validity of bid, the procuring entity, may request the bidders to extend the bill validity period for an additional specified period of time. A bidder may refuse the request and such refusal shall be treated as withdrawal of the bid but in such circumstances bid security shall not be forfeited.
<b>23</b>	<b>PRICE ESCALATION:</b>
	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.
<b>24</b>	<b>SUBLETTING OF CONTRACT:</b>
	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.
<b>25</b>	<b>FALL CLAUSE:-</b>
	(i) The prices under contract shall be subject to price fall clause. The prices

	<p>charged for the store supplies under the contract by successful bidder shall in no event exceed the lowest price at which the successful bidder sells the stores of identical description to any other persons during the period of the contract in the Union Territory of J&amp;K. If any time, during the period of the contract, the bidder reduces the sales price chargeable under the contract, he shall forth with notify such reduction to the JKMSCL, J&amp;K and the price payable under the contract for the stores supplied after the date of coming into force of such reduction or sale shall stand reduced correspondingly. It imply that if the contract holder quotes/ reduces its price to render similar goods at a price lower than the contract price to anyone in the State /UT at any time during the currency of contract including extension period, the contract price shall be automatically reduced with effect from the date of reducing or quoting lower price for all delivery of subject matter of procurement under contract and the contract shall be amended accordingly.</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>
<b>26</b>	<b>COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST:</b>
	<p>Any person participating in a procurement process shall-</p> <ol style="list-style-type: none"> <li>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;</li> <li>Not misrepresent or omit misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;</li> <li>Not indulge in any collusion, bid rigging or any-competitive behaviour to impair the transparency, fairness and progress of the procurement process;</li> <li>Not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process;</li> <li>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;</li> <li>Not obstruct any investigation or audit of a procurement process;</li> <li>Disclose conflict of interest, if any; and</li> <li>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.</li> </ol>

**Conflict of Interest :**

The bidder participating in a bidding process must not have a conflict of interest. A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

A bidder may be considered to be in conflict of interest with one or more parties in bidding process if, including but not limited to :

- a. Have controlling partners/shareholders in common; or
- b. Receive or have received any direct or indirect subsidy from any of them; or
- c. Have the same legal representative for purposes of the bid; or
- d. Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the procuring entity regarding the bidding process; or
- e. The bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a bidder, in more than one bid; or
- f. The bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the goods, works or services that are the subject of the bid; or bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in charge/consultant for the contract.

Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge / consultant for the contract.

**27**

All correspondence in this connection should be addressed to the Managing Director JKMSCL, J&K. Technical questions should be referred to the Managing Director JKMSCL, J&K direct by correspondence or by personal contact.

**28**

- (i) Direct or indirect canvassing on the part of bidders or their representative shall disqualify their bids.
- (ii) Supplier may be disqualified, banned or suspended from business during the rate contract if :
  - (a) fails to execute a contract or fails to execute it satisfactorily ;
  - (b) no longer has the technical staff or equipment considered necessary ;
  - (c) is declared bankrupt or insolvent or its financial position has become unsound, and in the case of a limited company, it is wound-up or taken into liquidation ;
  - (d) The firm is suspected to be doubtful loyalty to state.
  - (e) The State Bureau of Investigation (SBI) or any other Investigating agency recommends such a course in respect of a case under

	<p>investigation.</p> <p>(f) Managing Director JKMSCL, J&amp;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>
<b>29</b>	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.
<b>30</b>	<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>
<b>31</b>	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.
<b>32</b>	<b>GRIEVANCE</b>
	<b>Grievance</b> regarding interpretation of any clause of the contract/agreement executed between the parties shall be referred to Managing Director, JKMSCL for its clarification.
<b>33</b>	<b>ARBITRATION</b>
	<p>34.1 Governing Law: This NIT shall be governed by and construed in accordance with the laws of the Union Territory of Jammu and Kashmir and the laws of India as applicable to the Union Territory of Jammu and Kashmir.</p> <p>34.2.1 Amicable Settlement: Either party is entitled to raise any claim, dispute or difference of whatever nature arising under out of or in connection with the NIT including its existence or validity or termination (collectively "dispute") by giving a written notice to the other party, which shall contain</p> <ol style="list-style-type: none"> <li>i. a description of the dispute</li> <li>ii. the ground for such dispute</li> <li>iii. all written material in support of its claim</li> </ol> <p>34.2.2 The other party shall, within thirty days of issuance of dispute notice issued, furnish:</p> <ol style="list-style-type: none"> <li>I. Counter claim and defences, if any, regarding the dispute; and</li> <li>II. All written material in support of its defences and counter</li> </ol>

	<p>claim</p> <p>34.2.3 Within thirty days of issuance of notice by any party pursuant to para 29.1.2 both the parties to the dispute shall meet to settle such dispute amicably. If the parties fail to resolve the dispute amicably within thirty days of the receipt of the notice referred to in the above para the dispute shall be referred to Managing Director, JKMSCL, J&amp;K for its reference to arbitration.</p> <p>34.3 Dispute Resolution: Besides, as referred above in para 29.1.3 may also include any dispute arising out of contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to the Managing Director, JKMSCL, J&amp;K who will appoint his senior most officer as sole Arbitrator of the dispute, will not be related to this contract and whose decision shall be final and binding on both the parties. The Arbitrator proceedings shall be governed by the J&amp;K Arbitration and Conciliation Act, 1997. The venue of the Arbitration shall be in the Union Territory of Jammu and Kashmir.</p> <p><b>Note:</b> - 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>
<b>34</b>	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
<b>35</b>	Extra stipulation or any other condition contrary to the above bid conditions are not acceptable and may render the bid liable to rejection.
<b>36</b>	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 <b>Annexure A1</b> shall be treated as acceptance of all the terms and conditions of the bid document.
<b>37</b>	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.
<b>38</b>	<b>JURISDICTION:-</b> 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 <b>Cover "A" Technical Bid</b> and financial details (BOQ) should be uploaded under <b>Cover "B"</b> . No document except financial instrument (DD/FDR) & catalogues of the bid items shall be entertained physically by the Corporation.
2 .	Pre-requisite, if any, for installation, including UPS, computer, printer, and other items should be provided by the firm in technical bid and financial bid respectively.
3 .	Firm shall provide comprehensive maintenance with spare parts for item(s), as mentioned in Technical specification (from the date of installation / demonstration). Acceptance of comprehensive maintenance contract after expiry of guarantee period should be submitted with the cover "A" and rates in cover "B" respectively.
4 .	Conditional bids shall not be considered.
5 .	Normally, payment shall be released after installation, demonstration and successful commissioning of equipment/ITEM and satisfactory operational training.
6 .	<b>All certificates should be valid on the date of submission of bids and issue of supply order.</b>

7.	The bidder should have well equipped local service centre in India preferably in J&K.
8.	<p>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.</p> <p>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.</p>
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
13	The Supplier/service providing firm shall be liable to pay a <b>penalty of Rupees five thousand per day</b> , if the firm didn't respond after 48 hours from the time of receiving first complaint. The complaint may be sent to firm by way of telephone /fax/letter or e-mail. The amount of liquidation damage shall be directly deducted from the security deposit of the firm at the time of refund or before by way of any adjustment order. All breakdown calls to be attended within 24 hrs at (within city limits) and 48 hrs for other districts/peripheral areas otherwise the penalty shall be imposed as per

**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.	Letter of Acceptance (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.	Declaration regarding acceptance of terms & conditions of tender document by the bidder (Annexure AIII)	
6.	Technical Specifications (Annexure AIV)	

## LETTER OF ACCEPTANCE

M/s .....

.....

Sub :- Acceptance of the bid rates for the item

.....

Ref :- Your bid no. .... dated .....

1. Item (s) as per schedule enclosed/ noted/is/are approved in your favour against the rate (s) quoted by you in the above mentioned bid. According to the terms & conditions of the bid it is necessary to execute an agreement in the prescribed form enclosed, on a non judicial stamp paper of Rs. .... and furnish the requisite amount of performance security. The amount of performance security calculated on the basis of the approved items and indicative quantity mentioned in the bid from works out to ..... only)
2. The performance security shall be furnished to Jammu and Kashmir Medical Supplies Corporation Limited through bank draft payable at Jammu.
3. All terms and conditions of the bid document shall be an integral part of the contract. You are informed to return the agreement form along with schedule of rates for approved item (s) in duplicate duly filled in and signed by you with signature and addresses of two witnesses below signature at the appropriate place mentioned in the agreement form. The copies of the agreement form must be send duly completed in all respect along with the amount as mentioned above falling which it will be treated as a breach of the terms and conditions of the bid and it will also be presumed that you are not interested in entering into the contract and approval of the rates shall be cancelled without notice or any reference.
4. The list of approved items may be checked and in case there is any difference between your offer and the approved rates, the same may be intimated immediately, failing which it will be presumed that it is correct as per your offer and technical specification.
5. The firm shall furnish consolidated statement of supplies made to JKMSCL by the 10<sup>th</sup> of the next month as per terms of conditions.
6. Please note that self attested/notarized copies of documents shall be considered valid. If photo copies are submitted, than at the time of signing the agreement, the firm shall bring original documents for confirmation.
7. Also please arrange to furnish the following documents required under the terms and conditions of the bid failing which the agreement will not be executed and the failure would lie at your part
  - (i) **The original copy of bid document signed on each page, which has been uploaded on e-procurement portal.**
8. You are therefore; requested to please complete the above formalities within 15 days from the date of issue of this letter. The duly signed duplicate copy of the agreement will be returned to you for reference.

**Encl.:** 1. Agreement form  
 2. Schedule of Rates  
 3. CMC format, if applicable  
 Any other

Managing Director  
 Jammu and Kashmir Medical Supplies Corporation Limited

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. After the warranty period the rates offered by our dealer for CMC of the equipment shall be applicable and binding on us on same terms and conditions.

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.**

## Annexure AIV

DFC22	BINOCULAR MICROSCOPE	
	Specification	Requirements
	<b>Applications</b>	A system complete with illumination system is required. For view of individual cells, even living ones with high magnification microscope using 2 eye lenses to reduce the eyestrain.
	<b>Body</b>	<ul style="list-style-type: none"> <li>-Body single mold sturdy stable base stand, inclined binocular body 30°, 360° rotatable head with focus adjustment controls.</li> <li>-A durable textured acid resistant finish.</li> <li>-All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property.</li> <li>-All metallic parts should be corrosion proof, acid proof and stain proof.</li> </ul>
	<b>Eye piece</b>	<ul style="list-style-type: none"> <li>-Highest quality 10 x 20 mm wide angle anti fungus field eyepiece. One with pointer Dioptre adjustment must be present on both eye pieces. (The image of the object as seen through the binocular eyepiece should have defined centrally in at least 2/3m field of view).</li> <li>-Achromatic, wide field, 10 x with inbuilt pointer.</li> <li>-The eye piece should be aplanatic and have a minimum field number of 18. Diopter adjustment must be present on one/both eye pieces or on the eye piece tube.</li> </ul>
	<b>Optical system</b>	<ul style="list-style-type: none"> <li>-Optical system should be infinity corrected.</li> <li>-Build-in-LED light source with white light with intensity control and LED life of more than 10,000 Hrs.</li> </ul>
	<b>Objective</b>	<ul style="list-style-type: none"> <li>-Par focal, antifungal coated 4 x, 10 x, 40 x and 100 x (oil immersion) with semi planar achromatic correction.</li> <li>-Objective should be well centred even if their position on turret is changed.</li> <li>-10 x and 40 x objectives should have numerical apertures of 0.25 and 0.65 respectively.</li> <li>-100 x should have numerical aperture of 1.25 and should be of oil immersion.</li> <li>-Unbreakable containers to be provided for storing the objectives.</li> <li>-All objectives should be wide field, achromatic and par focal.</li> </ul>
	<b>Noise piece</b>	<ul style="list-style-type: none"> <li>-Backward tilted revolving nose piece suitable to accommodate four objectives with click stop.</li> <li>-It should be provided with rubber ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust and fungal proof metallic / ebonite caps.</li> </ul>
	<b>Focusing</b>	<ul style="list-style-type: none"> <li>Coaxial coarse and fine focusing knob, capable of smooth, fine focusing movement sensitivity.</li> <li>Minimum: 300 micron, focusing stop for slide safety.</li> </ul>
	<b>Stage</b>	<ul style="list-style-type: none"> <li>-Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20 mm) with fine vernier graduations</li> </ul>

		<p>(minimum reading accuracy of 0.1mm).</p> <p>-It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation.</p> <p>-The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80 mm(+/- 5mm) and front to back direction , 50mm(+/-5mm)</p>
	<b>Sub-stage condenser</b>	-Abbe-type condenser with numerical aperture (N.A) 1.25 focusable with rack and pinion arrangement incorporation a spherical lens and an iris diaphragm.
	<b>Sub stage illuminator</b>	<p>-The system should have a build in variable light source (illuminator).</p> <p>-This light source should have a 20w, 6v Halogen lamps.</p> <p>-The system should be provided with a step down transformer and an on-off switch and intensity control.</p> <p>-The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb.</p>
	<b>Power supply and protection</b>	<p>-Voltage 220v AC, 50Hz should have one on-off power switch.</p> <p>-A Plano concave mirror in fork mounting should be supplied which would be attachable to the base for field use when power is not available.</p> <p>-Should have over charging Cut-off with visual symbol.</p>
	<b>Battery backup</b>	Minimum 1 hour
	<b>Operating and storage conditions</b>	<p>-Capable of operating continuously in ambient temperature of 10 to 50 °C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>-Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50°C and relative humidity of 15 to 90%.</p>
	<b>Manual accessories</b>	<p>-Working manual should be provided with each microscope.</p> <p>-Immersion oil 25 ml x 2</p> <p>-lens tissue paper 2 rolls or boxes .</p> <p>-lens cleaning solution (100 ml)</p> <p>-One anti-static cleaning brush.</p> <p>-The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%.</p>
	<b>Digital camera</b>	<p>-5 megapixel scientific grade (even at dim light) colour CCD camera along with image capture and analysis software and c-mount adapter.</p> <p>Resolution at least 2448 x 1920 effective pixel (4 x 4 binning and 2 x 2 binning) and 10 bit digitalization .</p> <p>-Microscope should come along with PC(i5 6200U processor, 6 GB RAM, 1 TB HDD, DVR R/W,LED 20'') with UPS (minimum offline backup of 30 minutes).</p>
	<b>Certificate performance and safety standards (specific to the</b>	<p>-should be FDA/CE/BIS approved product.</p> <p>-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.</p> <p>-Electricity safety conforms to the standard for electrical safety</p>

	<b>device type), Local and / or international</b>	IEC 60601-General requirements(or equivalent BIS standard) -Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection.
	<b>Comprehensive Maintenance</b>	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc.for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.
	<b>Operation and maintenance training</b>	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.
	<b>Payment</b>	Payment only after installation, validation and performance demonstration.

<b>Item Code</b>	<b>Technical Specifications</b>
MC1717	<p><b><u>CR System</u></b></p> <p><b>1. USE</b></p> <p>1.1 Clinical purpose Used for Digitization of the already existing Analog X-ray Systems giving advantage of image processing and increased speed Ideal for Medium workload facilities and Secondary care facilities.</p> <p>1.2 Used by clinical department/ward : Radiology Department</p> <p><b>TECHNICAL</b></p> <p><b>2. TECHNICAL CHARACTERISTICS</b></p> <p>2.1 Technical characteristics (specific to this type of device)</p> <ul style="list-style-type: none"> <li>➤ Digitizer (CR) system should have capacity to process minimum <b>70± 2%</b> cassette/films per hour of 14 X 17” size.</li> <li>➤ 2. Standard work station (Console) coupled with CR image storage capacity – at least 2000 images specify the numbers. It should have a resolution of 5 pixels/mm (Minimum) for standard resolution</li> </ul>

	<p>cassette &amp; <b>up to 20 pixels/mm or more.</b></p> <ul style="list-style-type: none"> <li>➤ Separate DICOM workstation in ultra modality with all processing facilities in a centralized reporting.</li> <li>➤ Other feature of CR system.</li> </ul> <ul style="list-style-type: none"> <li>• Image post processing.</li> <li>• Window levelling</li> <li>• Annotation</li> <li>• Area of interest Zoom</li> <li>• Magnification</li> <li>• Flipping &amp; panning</li> <li>• Automatic exposure correction</li> <li>• Pre view software</li> <li>• Edge enhancement stepwise</li> <li>• Contrast/Brightness adjustment</li> <li>• Shuttering / ROI Finder <ul style="list-style-type: none"> <li>• <b>Application related software like Pediatric should be available – The system should have software to perform full leg/Full spine/Long Body imaging/imaging stitching.</b></li> </ul> </li> <li>• DICOM Print</li> <li>• DICOM image output to network workstation.</li> <li>• Grid Pattern removal software &amp; noise compression processing.</li> <li>• Gray Scale reversal</li> <li>• Rotation</li> <li>• Image preview time 25 to 60 Sec. (For large image)</li> </ul> <p>2.1 Technical characteristics (specific to this type of device)</p> <p>System should be fully compliant with DICOM 3.</p> <ul style="list-style-type: none"> <li>➤ Automatic cassette identification.</li> <li>➤ <b>Laser with at-least three film size on line 14"X 17", 11"X 14"/ 10" X14"/14"x14", 10" X 12", &amp; 8" X 10".</b></li> <li>➤ Contrast spatial / Reading resolution 10 pixel/ mm or more constant high resolution in all sizes. True size printing should be possible from reader console.</li> </ul> <p>Automatic exposure correction &amp; facility for manoeuvring reading sensitivity manually.</p> <p>Gamma curves for multiple object intensity processing.</p> <p>Registration &amp; cassette identification should be possible to be done before &amp; after the exposure (Pre/Post registration)</p> <p>7. Specification for Laser Camera</p> <ul style="list-style-type: none"> <li>➤ Mention Spatial resolution higher level preferable minimum 500 DPI/PPI.</li> <li>➤ Mention Gray Scale resolution : more than 12 bits preferable</li> <li>➤ Mention Processing capacity/hour for (14" X 17") films, It should be more than 70 films /Hour</li> <li>➤ Acceptable film size: 14"X 17", 11"X 14"/ 10" X 14", 10" X 12", &amp; 8" X 10".</li> <li>➤ Online film size : <b>at least three film size</b></li> <li>➤ DICOM compatible</li> <li>➤ CR workstation should have following feature</li> <li>➤ Multiple image printing with multiple format.</li> <li>➤ Measurement of image, insert scale.</li> <li>➤ Preloaded annotation.</li> <li>➤ DICOM CD writing &amp; reading.</li> <li>➤ Image inverse, image flipping, image magnification, zooming.</li> <li>➤ Reporting format.</li> <li>➤ Image preview.</li> <li>➤ Image cropping.</li> <li>➤ Printing multiple patient on one film.</li> <li>➤ CD writing for multiple patient on one CD</li> <li>➤ Should have a hard disk of 80 GB or more for storing image.</li> </ul> <p>2.2 User's interface manual</p> <p>2.3 Software and/or standard of communication(where ever required) In built</p> <p><b>3. PHYSICAL CHARACTERISTICS</b></p> <p>3.1 Dimensions (metric) : NA</p> <p>3.2 Weight (lbs, kg) : NA</p> <p>3.3 Configuration : NA</p> <p>3.4 <b>Noise (in dBA) Noise-less than 50 db</b></p> <p>3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through</p>
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	<p>a cooling mechanism</p> <p>3.6 Mobility, portability Stationary installation.</p> <p>4. ENERGY SOURCE (Electricity, UPS, Solar, Gas, Water, CO2 ....)</p> <p>4.1 Power Requirements Power supply: 230V, AC, 50Hz.</p> <p>4.2 Battery operated no</p> <p>4.3 Tolerance (to variations, shutdowns) : NA</p> <p>4.4 Protection NA.</p> <p><b>5. ACCESSORIES, SPARE PARTS, CON SUMABLES</b></p> <p>5.1 Accessories (mandatory, standard); Spare parts (main ones); Consumables (open, closed system)</p> <p>Machine should be supplied with following transducers:-</p> <ul style="list-style-type: none"> <li>➤ 2 No. BARC Approved whole body lead aprons with all attachments.</li> <li>➤ Please provide cassette for CR <ul style="list-style-type: none"> <li>14" X 17" -2 No.</li> <li>11" X 14" /10"X14"/14"x14" -2 No.</li> <li>10"X12"-2 No.</li> <li>08"x10" – 02 nos.</li> </ul> </li> <li>➤ Suitable online pure sine wave UPs for 30 minute backup</li> <li>➤ <b>Compatible computer System with 2 medical grade monitors minimum resolution of 1.3 m pixel/m, and two CPU</b></li> </ul> <p>IDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</p> <p><b>6. ENVIRONMENTAL AND DEPARTMENTAL CON SIDERATIONS</b></p> <p>6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...)</p> <ul style="list-style-type: none"> <li>➤ <b>Operating condition: Capable of operating continuously in ambient temperature of 15 to 30 deg C and relative humidity of 15 to 80% in ideal circumstances.</b></li> <li>➤ <b>Storage condition: Capable of being stored continuously in ambient temperature of 0 to 45 deg C and relative humidity of 15 to 90%.</b></li> </ul> <p>6.2 User's care, Cleaning, Disinfection &amp; Sterility issues</p> <ul style="list-style-type: none"> <li>➤ Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.</li> <li>➤ Sterilization not required.</li> </ul> <p><b>7. STANDARDS AND SAFETY</b></p> <p>7.1 Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international</p> <ul style="list-style-type: none"> <li>➤ Should be US FDA/ European CE/BIS approved product.</li> <li>➤ Manufacturer and Supplier should have ISO 13485 certification for quality standards.</li> <li>➤ Electrical safety conforms to the standards for electrical safety IEC 60601-1-General requirements(or equivalent BIS Standard)</li> </ul> <p>7.2 Local and/or international Manufacturer / supplier should have ISO 13485 certificate for quality standard.</p> <p><b>8. TRAINING AND INSTALLATION</b></p> <p>8.1 Pre-installation requirements: nature, values, quality, tolerance</p> <p>Three phase stable power supply</p> <p>8.2 Requirements for sign-off Certificate of calibration and inspection of parts from the manufacturer</p> <p>8.3 Training of staff (medical, paramedical, technicians)</p> <ul style="list-style-type: none"> <li>➤ Training of users on operation and basic maintenance;</li> <li>➤ Advanced maintenance tasks required shall be documented.</li> </ul>
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<b>DFC06</b>	<p><b>WATERBATH</b></p> <ol style="list-style-type: none"> <li>1. Should have a double walled construction.</li> <li>2. The inner chamber and top lid should be made of stainless steel.</li> <li>3. The space between the two walls should be packed with thick glass wool.</li> <li>4. Should provide with a microprocessor based variable digital temperature controller with digital display.</li> <li>5. Working temperature should be from ambient to 80°C having an accuracy of +/- 1°C</li> <li>6. Should have an approximate inner chamber dimension of 450mm x 300mm x 175mm.</li> </ol>
<b>DFC08</b>	<p><b>Muffle Furnace</b></p> <p>A Muffle furnace is required for obtaining high temperature. This furnace should have following features:</p>



	1) Internal dimension of the furnace (Depth × width × Height) in mm : 300×200×200(minimum) 2) Working temperature : 1350°C or better 3) Heating element : Silicon carbide (sic) 4) Temperature accuracy : ±2°C or better 5) Temperature control : Through microprocessor based PID controller with minimum 30 steps 6) Furnace insulation : Ceramic wool 7) Temperature setting and display : Digital and double display 8) Power source : 220 v, 50HZ single phase 9) Out body and inner body : Stainless steel 10) Accessories required a. Stainless steel Tongs (15-20 inch)-02 No b. Furnace gloves-02 pairs
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Item Code	Laminar Air Flow	
	Specification	Requirements
<b>DFC12</b>	<b>Working principle</b>	The LAMINAR AIRFLOW UV Chamber when switched on, the blower unit should create a suction pressure through the primary filter (or Pre-filter), which removes dust particles of above 10 micron size in the first stage. Subsequently, the filtered air passed to the HEPA filters, where the particles or substances of 0.3 micron size and above are removed. Finally the ultra-clean filtered air supplied to the working chamber as a uniform airflow to perform precision analysis activities
	<b>Cabinet (Material of construction)</b>	The system should have <ul style="list-style-type: none"> <li>• Laminar Air Flow Cabinet should have fully enclosed bench designed.</li> <li>• The Laminar flow bench should have Stainless Steel SS 304 table with MS coated tabular frame and body</li> <li>• Laminated Unit should also have stand by control system with lock and key</li> </ul>
	<b>Unit</b>	The unit should have <ul style="list-style-type: none"> <li>– Should have LCD display to show measured parameters like stage velocity, total using time, UV/FL lamp on/off etc</li> <li>– Unit should have Differential pressure indicator.</li> </ul>
	<b>Cleanliness level</b>	The system should have <ul style="list-style-type: none"> <li>– CLASS 100 (ISO 5 for particle sizes <math>0.5 \mu &lt; 3530</math> particles/M<sup>3</sup> of air at both at Rest &amp; Operation Condition as per ISO 14644 –1</li> </ul>
	<b>Working area</b>	Minimum 4 ft (w) x 2 ft (h) x 2 ft
	<b>Working Table</b>	<ul style="list-style-type: none"> <li>- It should have IS 304 Grade Stainless Steel with finish 4 polish surface Fro</li> <li>- 5 mm thick clear Acrylic Sheet - Vertical sliding</li> </ul>
	<b>Floor standing Base stand for cabinet</b>	High levelling feet or locking casters or motorized height adjustment.
	<b>Direction of flow</b>	Vertical airflow
	<b>Airflow Speed</b>	Filter face velocity should have 90 Feet/Minute ± 20 (0.45 m/s)
	<b>Blower Assembly</b>	- it should have one set blower system, which consists of dynamically & statically balance aluminium centrifugal impeller driven by 1/4 HP ,

		single phase ,1200-1400 RMP motor, enclosed in an PU coated GI casing suitably suspended in a pair springs & connected to the filter chamber through flexible canvas duct.
	<b>HEPA Filters</b>	<p>The filters should have</p> <p><b>Size:</b> 30" x 18" x 3"</p> <p><b>Type:</b> Separator less type, Mini-Pleats HEPA Media</p> <p><b>Media:</b> Ultra clean glass fiber paper</p> <p><b>Retention:</b> 0.3 Micron</p> <p><b>Efficiency:</b> 99.997%</p> <p><b>Initial Pressure:</b> 16 mm WG</p> <p><b>Grade:</b> F7 rating</p>
	<b>Pre Filters</b>	<p><b>Size :</b> 600 x 300 x 65 mm</p> <p><b>Media :</b> Synthetic, non-woven polyester</p> <p><b>Casing :</b> Epoxy painted GI frame</p> <p><b>Retention :</b> 10 Micron &amp; above</p> <p><b>Efficiency :</b> 90%</p> <p><b>Initial Pressure:</b> 6 mm WG</p> <p><b>Grade :</b> F7 rating</p>
	<b>Particle Retention</b>	0.3 Micron
	<b>Noise level</b>	<60 dBA±5
	<b>Power Supply</b>	Power supply should have 220-230 V, 50 Hz. And all components UL listed and CE marked
	<b>Illumination</b>	Externally mounted illuminating lamp with separate switch to illuminate the work area.
	<b>Light</b>	<ul style="list-style-type: none"> <li>- High intensity, low wattage &gt;800 lux</li> <li>- It should be 15 Watts, 1 ½ Feet length,-1 No. Each</li> </ul>
	<b>UV lamp</b>	<ul style="list-style-type: none"> <li>- Pre- mounted UV lamp (30 W) with separate switch with UV light hours run indicator.</li> </ul>
	<b>Other accessories</b>	<ul style="list-style-type: none"> <li>-Two gas outlet in the working area, one on each side wall.</li> <li>-Levelling Screws and Castor Wheels</li> <li>-DOP test port</li> <li>-Easily changeable pre-filters</li> <li>-Fitted with UV Germicidal lamp for sterilization.</li> <li>-Pre-installed pressure gauge for Measurement of HEPA filters Choking system.</li> <li>-Ensure noiseless operation and anti-vibration construction provides efficient working environment.</li> <li>-Audible or highly visual alarm for filter replacement warning</li> </ul>
	<b>Electrical sockets or pass through ports</b>	<ul style="list-style-type: none"> <li>-Side mounted switches for minimum three (15/5 amp) electrical sockets for ancillary equipment operation or</li> <li>-Convenient rear-wall pass through ports for safe routing of instrument cords, cables and leads for 15/5 amps multiple socket with switches on the wall.</li> </ul>
	<b>Standard compliance</b>	-Performance specifications and construction must meet or exceed OSHA, ANSI and relevant international standards to assure operator safely.
	<b>Certificate required for sign off</b>	<ul style="list-style-type: none"> <li>-Test Certificate for Mini-Pleat HEPA Filters</li> <li>- Calibration Certificate for Pressure Gauge</li> <li>- Calibration Certificate for Air Velocity Anemometer,</li> <li>-Warranty certificate for 24 months after satisfactory installation and working</li> </ul>
	<b>Spares</b>	<ul style="list-style-type: none"> <li>-Spare compatible UV lamp-2 NOs</li> <li>-A spare HEPA filter for chamber-1 NO</li> </ul>

		-Gas burner (Bunsen burner)-2 NOs
	<b>Operation and maintenance training component</b>	The supplier will have to carry out successful installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for scientific personnel operating the system and support services till customer satisfaction with the system .
	<b>Comprehensive Maintenance</b>	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection
	<b>Certificates Performance and safety standards(specific to be device type) Local and / or international</b>	-Should be FDA/CE/BIS approved product. -Manufacturer and supplied should have ISO 13485 certification under ISO 9001 for quality standards. -Electrical safety conforms to be standards for electrical safety IEC 60601-General requirements (or equivalent BIS standard) -Certified to be compliant with IEC 61010-1,IEC 61010-2-40 for safely
	<b>Supplier/ Manufacturer</b>	Must be ISO certified for quality
	<b>Service support contact details (Hierarchy Wise including a toll free/ landline number)</b>	Contact detail of manufacturer, supplier and local service agent to be provided. Any contract (AMC/CMC/adhoc) to be declared by the manufacturer.
	<b>Recommendations or Warnings</b>	Any warning signs would be adequately displayed
	<b>Payment</b>	Payment only after installation ,validation and performance demonstration
<b>BIO SAFETY CABINET CLASS II TYPRE B2 (TOTAL EXHAUST)</b>		
<b>DFC13</b>	<b>Specifications</b>	<b>Requirements</b>
	<b>Cabinet (Material of</b>	Cabinet should have made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with

	<b>construction)</b>	<p>MS with PU coated modular stand which can be adjustable for height with levelling legs/ or motorised.</p> <ul style="list-style-type: none"> <li>-External surfaces to be coated with antimicrobial coating to protect against surfaces contamination and inhibit bacterial growth.</li> <li>-Interior work area to be from a single piece of stainless steel with large radius corners to simplify cleaning.</li> <li>-The cabinet work area must have s no welded joints, which collect contaminants or rust.</li> </ul>
	<b>Unit</b>	<p>The unit must be a bench top / console model:</p> <ul style="list-style-type: none"> <li>- Front door Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door UV Lamp will be cut “OFF” And while closing the door UV Lamp will be “ON” Automatically.</li> <li>- Side Panels: Both the sidewalls are made from double layered outer GI &amp; inner stainless steel with return-air plenum in between.</li> <li>-Edges should perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room and such contaminated air is sucked through this full height perforation at the edges of the Sidewalls.</li> <li>-A recessed central area with drain pan to contain spills and prevent liquids from entering the lower filtration unit.</li> <li>-The BSC shall be ergonomically designed for maximum user comfort and adjustability.</li> <li>-Fail-safe system to ensure that in case of exhaust failure, the cabinets main fan automatically shuts down to ensure safety to the user.</li> </ul>
	<b>Cleanliness level</b>	<p>The system should have:</p> <ul style="list-style-type: none"> <li>- CLASS 100 (ISO 5 for particle sizes <math>0.5 \mu</math> &lt; 3530 particles/M<sup>3</sup> of air at both at Rest &amp;</li> <li>-Operation Condition as per ISO 14644(ISO 5 replaces class 100</li> <li>-US-FS 209 E) Conforming to NSF/ANSI 49, USA &amp; En12469 standards.</li> </ul>
	<b>Working area</b>	<ul style="list-style-type: none"> <li>-Minimum 4 x 2 x 2 Ft (w x d x h)</li> <li>-Interior work area to be from a single piece of IS304 grade stainless steel with large radius (joint free) corners to simplify cleaning.</li> <li>-The cabinet work area must have s no welded joints, which collect contaminants or rust.</li> </ul>
	<b>Work table</b>	It should have Removable type tabletop, made of perforated IS 304 Stainless Steel with satin finished.
	<b>Direction of flow</b>	Vertical
	<b>Air Balancing</b>	100% Exhaust & 0% Re-Circulation
	<b>Particle retention:</b>	0.3 micron particles with typical efficiency of >99.997% 0.3 micron particles with typical efficiency of >99.997%
	<b>Airflow Speed</b>	Minimum airflow velocity of 90 ft/ minute $\pm$ 20 through the work access opening. Velocity should have 90 ft/ minute $\pm$ 20

		Easy to read LCD/ other display for continuous monitoring of cabinet airflow
	<b>Supply Air Blower</b>	It should consists of dynamically & statically balanced aluminium centrifugal impeller driven by an Single phase,1440-RPM motor, enclosed in a PU coated Suspended in a pair of springs & connected to the Filter chamber through flexible canvas duct inside the cabinet.
	<b>Exhaust Blower</b>	It should have Suitable displacing capacity having a static of 60 mm WG and made of mild steel and directly driven by a single phase, 1440-RPM Motor. The exhaust motor & blower unit will be connected to the cabinet through an exhaust duct Made of rigid PVC pipe.
	<b>Exhaust Duct</b>	Direct-ducting ( a leak-tight duct , a leak proof damper in the duct above the cabinet ) to an exhaust system vented to the outside of the building without recirculation. Exhaust duct made of 125 mm diameter rigid PVC pipe. Suitable protection from rain with canopy at the end of the duct.
	<b>HEPA Filters</b>	<p>The filters should have</p> <ul style="list-style-type: none"> <li>-<b>Type:</b> Separator less type, Mini-Pleats HEPA Media</li> <li>- <b>Media:</b> Ultra clean glass fiber paper</li> <li>-<b>Retention:</b> 0.3 Micron</li> <li>- <b>Efficiency:</b> 99.997%</li> <li>-<b>Initial Pressure:</b> 12 mm WG</li> <li>- <b>Grade :</b> H14 rating</li> <li>-Real-time display panel for remaining Filter lif</li> </ul>
	<b>Pre Filters</b>	<p><b>Media :</b> Synthetic, non-woven polyester</p> <p><b>Casing :</b> Epoxy painted GI frame</p> <p><b>Retention :</b> 10 -15 micron</p> <p><b>Efficiency :</b> 90%</p> <p><b>Initial Pressure:</b> 6 mm WG</p> <p><b>Grade :</b> F7 rating</p>
	<b>Noise level</b>	< 65 decibel on “A” scale $\pm$ 5 as per NSF 49
	<b>Cabinet control systems</b>	<p>Should have</p> <ul style="list-style-type: none"> <li>- Pressure gauge,</li> <li>- motor voltage regulator,</li> <li>- audible and visual window alarm,</li> <li>- main and outlet power circuit breakers,</li> <li>- Power switches for exterior mounted fluorescent lights and / or ultraviolet lights, interior outlets and blower motor etc.</li> </ul>
	<b>Illumination and light intensity</b>	<p>Must deliver uniform lighting to the work surface for greater comfort, reduced glare and improved productivity</p> <p>High intensity, low wattage, &gt;800 lux</p> <p>Choke less to with stand larger fluctuations in working area.</p>
	<b>UV germicidal lamp</b>	<ul style="list-style-type: none"> <li>-Germicidal UV lamp – controlled by automatic UV lamp timer (lamp hours)</li> <li>-Emission of 254 nm</li> <li>-Lamp should be positioned away from operator line of sight for</li> </ul>

		<p>safety and proper exposure to interior surfaces.</p> <ul style="list-style-type: none"> <li>-UV lamp should be in working zone (40 micro watts / square cm at 254 nm or better)</li> <li>- The UV lamp should automatically switch "off " when the front door is opened to avoid accidental exposure of UV rays to the users.</li> </ul>
	<b>Alarm</b>	<ul style="list-style-type: none"> <li>-An audio alarm must be installed to indicate loss of exhaust flow.</li> <li>-Should have audible alarm to warn the operator if the window is raised above the recommended height.</li> </ul>
	<b>Certification Required</b>	<ul style="list-style-type: none"> <li>-Test Certificate for Mini-Pleat HEPA Filters</li> <li>-Calibration Certificate for Pressure Gauge</li> <li>-Calibration Certificate for Air Velocity Anemometer,</li> <li>-Warranty Certificate</li> </ul>
	<b>BSC standard compliance</b>	Meet American (NSF/ANSI) or European standard EN 12469 (type tested) or both
	<b>Power supply</b>	Power supply should have 220-240 v , 50 Hz. And all components UL listed and CE marked electric supply requirement
	<b>Operation and maintenance training component</b>	The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.
	<b>Certificate performance and safety standards (specific to the device type), Local and / or international</b>	<ul style="list-style-type: none"> <li>-should be FDA/CE/BIS approved product.</li> <li>-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.</li> <li>-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)</li> <li>-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.</li> </ul>
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service support contact details (Hierarchy Wise including a toll free/landline number)</b>	Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer
	<b>Recommendations or warnings</b>	Any warning signs would be adequately displayed
	<b>Comprehensive Maintenance</b>	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in

		case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection
<b>DFC16</b>	<b>Digital Colony Counter</b>	
	<b>Specifications</b>	<b>Requirements</b>
	<b>Application</b>	For fast and accurate bacterial or mold colony counting and to aid in determining counts of colony clusters and exceedingly large or small colonies, and can accommodate multiple dish sizes or formats.
	<b>Material of Construction</b>	Full stainless steel fabricated body with duly heat cured epoxy coating
	<b>Display and Counting</b>	It should consist of -Digital display up to 4 digits with confirmation by audible tone. -It should consist of magnifying lens (greater than 2X magnification with digital marking pen). -Accepts Petri dish up to size 120 mm diameter with a centring adaptor for standard 90mm Petri dish. -Glare free viewing low energy bright LED's. -A switchable black background viewing translucent and difficult to see colonies. -Zero reset button.
	<b>Operation and Training component</b>	The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.
	<b>Certificate performance and safety standards (specific to the device type), Local and / or international</b>	-should be FDA/CE/BIS approved product. -Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards. -Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard) -Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service support</b>	Contact detail of manufacturer, supplier and local service agent to



	<b>contact details (Hierarchy Wise including a toll free/landline number)</b>	be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer
	<b>Recommendations or warnings</b>	Any warning signs would be adequately displayed.
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection.
<b>DFC18</b>	<b>Serological Water Bath</b>	
	<b>Specification</b>	<b>Requirements</b>
	<b>Application</b>	The water bath is for routine use in microbiology protocols as well for solubilisation with precise temperature control.
	<b>Material of construction</b>	-Rounded, seamless stainless steel bath to prevent rust, chemical damage and contamination. -powder coating like epoxy coating exterior for easy cleanup. -corrosive resistant stainless steel gabled drip free lid.
	<b>Unit</b>	-Microprocessor controlled digital display. -Instrument should have lift up drip free bath cover. -Carrier racks should be given for flasks and test tubes racks. -Convenient water bath drains. -Water bath protective media should be there to prevent contamination and formation of algae. -Easy cleaning.
	<b>Temperature</b>	-Temperature Range: +20°C to 99°C. - Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ at 37°C -Temperature Uniformity: $\pm 0.5^{\circ}\text{C}$ at 37°C. -Digital LED display for operating status of temperature. -Over-Temperature Cut-Off. -Temperature calibration function.
	<b>Alarm</b>	-Audible warning safety signals should be there for high / low temperature warnings. -Low liquid level
	<b>Calibration</b>	Certificate from a ISO 17025 accredited lab for 3 different temperature points.
	<b>Operation and Training component</b>	The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.



	<b>Certificate performance and safety standards (specific to the device type), Local and / or international</b>	<ul style="list-style-type: none"> <li>-should be FDA/CE/BIS approved product.</li> <li>-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.</li> <li>-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)</li> <li>-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.</li> </ul>
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service support contact details (Hierarchy Wise including a toll free/landline number)</b>	Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer
	<b>Recommendations or warnings</b>	Any warning signs would be adequately displayed.
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	<ul style="list-style-type: none"> <li>Should provide 2 sets (hardcopy and softcopy) :-</li> <li>-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.</li> <li>-List of equipment and procedures requires for local calibration and routine maintenance.</li> <li>-service and operation manuals (original and copy) to be provided.</li> <li>-Advanced maintenance tasks documentation.</li> <li>-certificate of calibration and inspection.</li> </ul>
<b>DFC20</b>	<b>Upright Frost Free Vertical Deep Freezer (-25 degree C)</b>	
	<b>Specifications</b>	<b>Requirements</b>
	<b>Applications</b>	For storage of various biological products including, ATCC cultures, enzymes, chemicals or material testing components for a longer period of time.
	<b>Unit</b>	<ul style="list-style-type: none"> <li>-Interior: Full stainless steel which can be easily cleaned and eliminates any possibility of cross contamination.</li> <li>-Cooling type: Direct cooling.</li> <li>-Should be vertical (Upright) type.</li> <li>-Microprocessor based.</li> <li>-Frost free.</li> <li>-Refrigerant: CFC-free</li> <li>-Easy to read, Led control panel and alarm status with integrated diagnostics.</li> <li>-Doors with key lock.</li> <li>-Built in voltage stabilizer/battery back-up for 24h or more.</li> <li>-Castors for easy movability.</li> </ul>
	<b>Capacity</b>	Capacity: 250 L or higher with a combination of sealed 5-7 pullout drawers /shelves of different sizes that can be adjusted for storage

		flexibility.
	<b>Temperature</b>	-Range - 10,25° C with temperature controller. -Digital temperature display. -LED display for temperature and temperature history which can be downloaded via a USB port. -Calibration facility.
	<b>Alarm</b>	Acoustic / visual safety alarms for -High /Low temperature , -Door ajar and -malfunction system alarms.
	<b>Optional Accessories</b>	Racks for 50 mm boxes (incl. dividers), Racks for 75 mm boxes(incl. dividers)
	<b>Voltage stabilizer</b>	Suitable and compatible voltage stabilizer.
	<b>Calibration</b>	Certificate from an ISO 17025 accredited lab for 3 different temperature points.
	<b>Operation and Training component</b>	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.
	<b>Certificate performance and safety standards (specific to the device type), Local and / or international</b>	-should be FDA/CE/BIS approved product. -Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards. -Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard) -Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service support contact details (Hierarchy Wise including a toll free/landline number)</b>	Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer
	<b>Recommendations or warnings</b>	Any warning signs would be adequately displayed.
	<b>Comprehensive Maintenance</b>	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc.for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.
	<b>Service contract</b>	List of all spares and accessories (including minor) with part

	<b>clauses, including prices</b>	numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection.
	<b>Payment</b>	Payment only after installation, validation and performance demonstration.
<b>DFC25</b>	<b>BOD Incubator</b>	
	<b>Specifications</b>	<b>Requirements</b>
	<b>Applications</b>	For use in microbiological laboratories to measure biochemical oxygen demand (BOD). The incubator is used to sustain and control the humidity and temperature essential to perform many types of experiments in microbiology and biology cells.
	<b>Double walled modular structure with 3''thick PUF insulation</b>	a) Outer wall: Powder coated steel sheet with resin baked finish. b) Inner wall: Stainless steel with ribs for adjusting removable perforated shelves at the height of 45 mm. The nuts , screws and hinges of the inner chamber shall be of stainless steel(SS grade X07Cr18Ni9of IS 6911:1992 or equivalent) c) Perforated stainless steel partition tray (6 no's).
	<b>Doors</b>	Double door type -Inner door: Full view inner acrylic door with aluminium channel boundary, closes on a resilient gasket and permits view of the specimens (inside the incubator), without disturbing the thermal conditions inside the chamber. -Interior illumination. -Outer door: Powder coated steel sheet with resin baked finish.
	<b>Capacity</b>	340 litres
	<b>Temperature range</b>	5°C to 60°C with digital controller , Temperature increment 0.1°C
	<b>Control accuracy</b>	± 0.1 °C or better (at 60° C)
	<b>Distribution accuracy/uniformity</b>	± 0.1 °C or better (at 37° C)
	<b>Temperature display</b>	-Microprocessor based digital display of temperature along with calibration certificate by 17025 accredited agency. -Temperature recorder for inner chamber with maintenance free battery backup and auto charging of battery.
	<b>Air circulation</b>	With two completely in built motors along with fan to keep the temperature uniform through the chamber.
	<b>Heat up time and</b>	30 min up to 60° C without load.

	<b>cool down time</b>	40 min up to +5° C without load.
	<b>Timer</b>	0 to 24 hrs x 7days cyclic ON/OFF timer for illuminating port.
	<b>Safety alarms</b>	Provision of audio-visual alarm to indicate -Door opening after 2 min -Self diagnosis function including overheat -Prevention and over current protection
	<b>Computer interface</b>	RS 485/RS 432 interface for multiple and single communication port.
	<b>Voltage stabilizer</b>	Automatic stabilizer, 4KVA with TDR (3 minutes) electronic type
	<b>Documents Certificate performance and safety standards (specific to the device type), Local and / or international</b>	-should be FDA/CE/BIS approved product. -Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards. -Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard) -Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety. -Complete with IQ,OQ,PQ, documents, operations and maintenance manuals
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -List of equipment and procedures requires for local calibration and routine maintenance. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation. -certificate of calibration and inspection.
	<b>Warranty</b>	Warranty for 05 years after satisfactory installation and working excluding consumables parts and accessories.
	<b>Comprehensive Maintenance</b>	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc.for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.
	<b>Operation and</b>	The supplier will have to carry out successful

	<b>maintenance training</b>	Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.
<b>DFC30</b>	<b>Hot Air Oven</b>	
	<b>Specifications</b>	<b>Requirements</b>
	<b>Application</b>	For drying glassware and also for conditioning of heat sensitive media and to provide an optimal, homogeneous, temperature uniformity and stability to ensure drying is complete.
	<b>Material of construction</b>	<ul style="list-style-type: none"> <li>-Should have double walled construction, with high quality insulated steel. Inner walls of 304 quality SS, Outer walls of epoxy Powder coated GI sheets.</li> <li>-Facility for adjustable shelves, 10 removable shelves to be provided.</li> <li>-With internal lighting facility, insulated door fitted with heavy hinges, mechanical door lock.</li> </ul>
	<b>Capacity</b>	Approx.200 litres.
	<b>Temperature range</b>	<ul style="list-style-type: none"> <li>-Temperature should be thermostatically controlled.</li> <li>- It should be Ambient +5°C to 250°C with temperature setting accuracy <math>\pm 0.5^{\circ}</math> C with forced air circulation for temperature uniformity.</li> <li>-Separate PT 100 sensor and display for temperature (LED)</li> <li>-Safety alarms.</li> </ul>
	<b>Unit</b>	<ul style="list-style-type: none"> <li>-Air ventilators to be provided on both sides.</li> <li>-The equipment should be provide with microprocessor controlled digital display.</li> <li>-Temperature homogeneity between top and bottom shelves should be maintained by forced circulation.</li> </ul>
	<b>Calibration</b>	Certificate from an ISO 17025 accredited lab for 3 different temperature points.
	<b>Power supply</b>	All electrical peripherals required for smooth functioning e.g. voltage stabilizer should be provided.
	<b>Accessories</b>	Should have all the accessories required for the functioning of the equipment.
	<b>Certificate performance and safety standards (specific to the device type), Local and / or international</b>	<ul style="list-style-type: none"> <li>-should be FDA/CE/BIS approved product.</li> <li>-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.</li> <li>-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)</li> <li>-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.</li> </ul>
	<b>Supplier /manufacturer</b>	Must be ISO certified for quality.
	<b>Service support contact details (Hierarchy Wise</b>	Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer

	<b>including a toll free/landline number)</b>	
	<b>Recommendations or warnings</b>	Any warning signs would be adequately displayed.
	<b>Service contract clauses, including prices</b>	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.
	<b>Operating manuals, service manuals, other manuals</b>	Should provide 2 sets (hardcopy and softcopy) :- -users, technical and maintenance manuals to be supplied in English language along with machine diagrams. -service and operation manuals (original and copy) to be provided. -Advanced maintenance tasks documentation.
	<b>Micropipettes</b>	
	<b>Specifications</b>	<b>Requirements</b>
	<b>Material</b>	Liquid Handling equipment, Autoclave
	<b>Capacity/ volume</b>	20-200 micron litre (variable) 100-1000 micro litre (variable) 1-10 ml (variable) (2 each to be provided)
	<b>Feature</b>	Single channel/ manual. Volume locks to prevent drifting.
	<b>Accessory</b>	Tips, Tip boxes
	<b>Calibration</b>	Certificate from NABL accredited lab for 3 points.
	<b>Warranty</b>	05 years
<b>DFC32</b>	<b>Carbon Dioxide Incubator</b>	
	<b>Capacity</b>	150-200 litres.
	<b>Display</b>	LCD /LED (minimum 5’’).
	<b>Processor</b>	Microprocessor.
	<b>Heating type</b>	Air / Water /Gel (microcomputer control).
	<b>No. of shelves</b>	3-5 minimum.
	<b>Temperature control range</b>	0-80° C.
	<b>Ambient temperature range</b>	20-40° C.
	<b>Temperature control accuracy</b>	± 0.1.
	<b>Temperature uniformity</b>	± 0.3.
	<b>CO2 sensor</b>	IR sensor.
	<b>CO2 control range</b>	0-20 %.
	<b>CO2 stability</b>	± 0.1%.
	<b>CO2 recovery time</b>	0-10 min.
	<b>CO2 tank switch / alarm</b>	Yes.
	<b>Temperature recovery</b>	5-15 min.
	<b>O2 control system</b>	Yes.
	<b>O2 Range</b>	0-20 %.
	<b>O2 accuracy</b>	± 0.2 %.
	<b>O2 sensor</b>	Yes.
	<b>Humidity</b>	95 ± 5 %.
	<b>Humidity recovery</b>	10-20 min.
	<b>Alarm</b>	Audio and visual.
	<b>Stacking</b>	Possible.

	<b>Cylinders</b>	CO2 cylinders (2 nos.),Capacity-9-10 kg, purity 98.00 %
	<b>Communication port</b>	Yes.
	<b>Power</b>	AC 230 v / 6A, 50 Hz.
	<b>Power consumption</b>	500-600 W (max.), 50-100 W at 37° C
	<b>Disinfection</b>	Multiple will be preferred.
	<b>Calibration</b>	Certificate from NABL accredited lab for 3 points.
	<b>Warranty</b>	5 years with user manual.

MC1713	<p><b><u>Shadowless lamp ceiling type minor (Single Dome)</u></b></p> <p><b>1. USE</b></p> <p>1.1 Clinical purpose Luminescence shadow less lamp adopts light sources different positions for focus to eliminate shadows of different parts of medical workers.</p> <p>1.2 Used by clinical department/ward : Operation theatre</p> <p><b>TECHNICAL</b></p> <p><b>2 TECHNICAL CHARACTERISTICS</b></p> <p>2.1 Technical characteristics (specific to this type of device)</p> <ul style="list-style-type: none"> <li>➤ Single dome.</li> <li>➤ minor dome.</li> <li>➤ Intensity Control :continuous (1,00,000 Lux).</li> <li>➤ Height Adjustment :600mm.</li> <li>➤ Action Radius :1850mm.</li> <li>➤ Possible Movements :Radial, Angular &amp; Axial.</li> <li>➤ Colour Temperature :4500 and above.</li> <li>➤ LED technology: minimum 40,000 hours lamp life.</li> <li>➤ Intensity, brightness, contrast and power switch to be made available on <b>handle/wall-check/lamp head</b>.</li> <li>➤ Focal distance(d1+d2)=0.8 to 1.2 m.</li> <li>➤ Temperature rise on the keep of surgeries to be less than 10°.</li> <li>➤ CR± approx. 95 or more.</li> <li>➤ 360° rotation for single arm</li> </ul> <p>2.2 User's interface Manual</p> <p>2.3 Software and/or standard of communication (where ever required) : NA.</p> <p><b>3. PHYSICAL CHARACTERISTICS</b></p> <p>3.1 Dimensions (metric) : NA</p> <p>3.2 Weight (lbs, kg) :NA</p> <p>3.3 Configuration :NA</p> <p>3.4 Noise (in dBA) : NA</p> <p>3.5 Heat dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism</p> <p>3.6 Mobility, portability : Portable.</p> <p><b>4. ENER GY SOURCE (electricity, UP S, solar, gas, water, CO 2 ....)</b></p> <p>4.1 Power Requirements Recharging unit: Input voltage- 220V-240V AC, 50Hz</p> <p>4.2 Battery operated : NA</p> <p>4.3 Tolerance (to variations, shutdowns) : NA</p> <p>4.4 Protection Should have over-charging cut-off with visual symbol.</p> <p>4.5 Power consumption : NA.</p> <p><b>5. ACCESSORIES, SPARE PARTS, CONSUMABLES</b></p> <p>5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) : NA</p> <p><b>BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b></p> <p><b>6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS</b></p> <p>6.1 Atmosphere /Ambiance (air conditioning, humidity, dust ...)</p>
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	<ul style="list-style-type: none"> <li>➤ Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</li> <li>➤ Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.</li> </ul> <p>6.2 User's care, Cleaning, Disinfection &amp; Sterility issues</p> <ul style="list-style-type: none"> <li>➤ Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.</li> <li>➤ Sterilization not required.</li> </ul> <p><b>7. STANDARDS AND SAFETY</b></p> <p>7.1 Certificates (premarket, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international</p> <ul style="list-style-type: none"> <li>➤ Should be USFDA/European CE and BIS/ ISO 13485 approved product.</li> <li>➤ Electrical safety conforms to the standards for electrical safety IEC 60601-1 General requirements (or equivalent BIS Standard)</li> <li>➤ Shall meet internationally recognised for Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) for electromedical equipment : IEC 60601-1-2</li> <li>➤ Certified to be compliant with IEC 60601-2-4 for usability.</li> </ul> <p>7.2 Local and/or international : Manufacturer / supplier should have ISO certificate for quality standard.</p> <p><b>8. TRAINING AND INSTALLATION</b></p> <p>8.1 Pre-installation requirements: nature, values, quality, tolerance</p> <ul style="list-style-type: none"> <li>➤ Availability of 5 amp socket;</li> <li>➤ Safety and operation check before handover;</li> </ul> <p>8.2 Requirements for signoff</p> <ul style="list-style-type: none"> <li>➤ Certificate of calibration and inspection from the manufacturer</li> </ul> <p>8.3 Training of staff (medical, paramedical, technicians)</p> <ul style="list-style-type: none"> <li>➤ Training of users on operation and basic maintenance;</li> <li>➤ Advanced maintenance tasks required shall be documented</li> </ul>
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<b>MC1714</b>	<p><b><u>Shadowless lamp Ceiling type major</u></b></p> <p><b>1. USE</b></p> <p>1.1 Clinical purpose Luminescence shadow less lamp adopts light sources different positions for focus to eliminate shadows of different parts of medical workers.</p> <p>1.2 Used by clinical department/ward : Operation theatre</p> <p><b>2. TECHNICAL CHARACTERISTICS</b></p> <p>2.1 Technical characteristics (specific to this type of device)</p> <ul style="list-style-type: none"> <li>➤ Double dome.</li> <li>➤ Intensity Control in 9 steps for individual domes.</li> <li>➤ Height Adjustment : 600mm.</li> <li>➤ Action Radius : 1850mm.</li> <li>➤ Possible Movements : Radial, Angular &amp; Axial.</li> <li>➤ Colour Temperature : 4500K and above.</li> <li>➤ LED technology: minimum 40,000 hours lamp life.</li> <li>➤ Intensity, brightness, contrast and power switch to be made available on <b>handle/wall-check/lamp head</b>.</li> <li>➤ Focal distance (d1+d2)=0.8 to 1.2 m.</li> <li>➤ Temperature rise on the keep of surgeries to be less than 10°.</li> <li>➤ CR± approx. 95 or more.</li> <li>➤ 360° rotation for both arms</li> </ul> <p>2.2 User's interface Manual</p> <p>2.3 Software and/or standard of communication (where ever required) : NA.</p> <p><b>3. PHYSICAL CHARACTERISTICS</b></p> <p>3.1 Dimensions (metric) : NA</p> <p>3.2 Weight (lbs, kg) : NA</p> <p>3.3 Configuration : NA</p>
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	<p>3.4 Noise (in dBA) : NA</p> <p>3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism</p> <p>3.6 Mobility, portability : Hand held device.</p> <p><b>4. ENERGY SOURCE (electricity, UP S, solar, gas, water, CO 2 ....)</b></p> <p>4.1 Power Requirements Recharging unit: Input voltage- 220V-240V AC, 50Hz</p> <p>4.2 Battery operated : Yes</p> <p>4.3 Tolerance (to variations, shutdowns) Voltage:±10%,Frequency:±2%</p> <p>4.4 Protection Should have over-charging cut-off with visual symbol.</p> <p>4.5 Power consumption : NA.</p> <p><b>5. ACCESSORIES, SPARE PARTS, CONSUMABLES</b></p> <p>5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) : NA</p> <p><b>DDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b></p> <p><b>6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS</b></p> <p>6.1 Atmosphere /Ambiance (air conditioning, humidity, dust ...)</p> <ul style="list-style-type: none"> <li>➤ Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</li> <li>➤ Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.</li> </ul> <p>6.2 User's care, Cleaning, Disinfection &amp; Sterility issues</p> <ul style="list-style-type: none"> <li>➤ Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.</li> <li>➤ Sterilization not required.</li> </ul> <p><b>7. STANDARDS AND SAFETY</b></p> <p>7.1 Certificates (premarket, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international</p> <ul style="list-style-type: none"> <li>➤ Should be USFDA/ European CE/BIS and ISO 13485 approved product.</li> <li>➤ Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements(or equivalent BIS Standard)</li> <li>➤ Shall meet internationally recognised for Electromagnetic Compatibility(EMC)and Electromagnetic Interference(EMI) for electromedical equipment: IEC 60601-1-2.</li> <li>➤ Certified to be compliant with IEC 60601-2-4 for usability.</li> </ul> <p>7.2 Local and/or international :Manufacturer / supplier should have ISO 13485 certificate for quality standard.</p> <p><b>8. TRAINING AND INSTALLATION</b></p> <p>8.1 Pre-installation requirements: nature, values, quality, tolerance</p> <ul style="list-style-type: none"> <li>➤ Availability of 5 amp socket;</li> <li>➤ Safety and operation check before handover;</li> </ul> <p>8.2 Requirements for signoff</p> <ul style="list-style-type: none"> <li>➤ Certificate of calibration and inspection from the manufacturer</li> </ul> <p>8.3 Training of staff (medical, paramedical, technicians)</p> <ul style="list-style-type: none"> <li>➤ Training of users on operation and basic maintenance;</li> <li>➤ Advanced maintenance tasks required shall be documented</li> </ul>
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<b>HIGH CAPACITY ELECTRONIC OSCILLATOR SYSTEM FROM 5 KVA TO 100 KVA</b>		
<b>Feature</b>	<b>Required Specification</b>	<b>Remarks/Compliance</b>
Type	Single Phase In-Single Phase Out / 3 Phase In- 3 Phase out	
Technology	DSP Based PWM technology using IGBT	
Series	Pure Sine Wave	
Rating	5/7.5/10/15/20/25/30/40/50/65/100 KVA Single phase / 3 Phase	
Input	Single Phase for 5KVA & 10 KVA and 3 Phase for capacities from 10-100KVA	10 KVA Oscillators both single phase as well as 3 phase

Voltage Range (Input)	150 to 280 Volts for Single Phase and 280 to 465 Volts AC for 3 Phase	
Frequency Range (Input)	43 to 57 Hz	
Power Factor	0.8	
<b>Output Voltage</b>	<b>230V <math>\pm</math> 1 % (Single Phase), 415 V <math>\pm</math> 1% (3 Phase)</b>	
<b>Output Frequency Regulation</b>	<b>50 Hz <math>\pm</math> 0.05 Hz</b>	
Peak Efficiency	> 92%	
Output wave form	Pure Sine Wave	
Total Harmonic Distortion (THD)	< 3%	
Crest Factor	>4:1	
Transient Response	Recovery to + - 5% within 1.5 cycles	
Charging Current Selectable	C-10 ( 10% of the rated current)	
Charging cycle	Intelligent with boost charging and advanced management.	
Overload	110% for 8 Min, 150% for 15 Sec, 200% for 4 Sec, 300% for 2 Sec.	
Battery Type	2 Volt Cells / 100-1800 AH (SMF VRLA)	
Battery Bank Voltage	120/360 Volts (Single / 3 Phase)	
Communication Port	RS 232	
Operating System	Windows 2003 Server or Higher Compatible	
Operating Temperature	-15 to +50 degree Celsius	
Acoustic Noise at 1 Meter	< 60 db	
Humidity	Max 95% Non Condensing	
Indication & Alarm	Audio & Visual	
Protection Class	<b>IP 21</b>	
Power Quality Audit Through Software	Required	
Multi User License	Required	
Priority Shutdown High or Low	Required	
Digital & Graphical Parameter Representation	Required	
SMS & e-mail Alerts	Required	
User Selectable Parameter	Required	
<b>Built in Galvanic Isolation Transformer</b>	<b>Required</b>	
Suitable for Heavy Duty Equipments	Required	
Auto Self Test	Required	
Cold Start	Required	
Scalable Runtime	Required	
Fuzzy Logic Control	Required	
Data availability when the Oscillator is OFF	Required	
Availability of Manual Maintenance Bypass and the same must be protected by a door with a lock to isolate the internal parts of Oscillator from any energy source.	Required	
Operation with Gen Set(s) with the provision to guarantee synchronism between the input and output frequency for wider frequency range.	Required	
Protection on Backup Path	Required	
MCB Protection on AC & DC Path	Required	
Water Topping Alarm	Required	
Microprocessor Based Ventilation	Required	
Microprocessor Based Charging	Required	

compensation with altitude without de-rating up to 1500m				
Solar compatible with Solar priority with static changeover time <2ms.		Required.		
The oscillator shall manage the following measurements and show the relevant values on the display panel and also communicate the same through e-mail and SMS to designated nodal officers/personnel.				
<b>INPUT</b>	<b>OUTPUT</b>	<b>BATTERIES</b>	<b>MISCELLANEOUS</b>	<b>HISTORICAL DATA</b>
<b>Current</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> <li>Peak Value</li> <li>Peak Factor</li> </ul> <b>Voltage</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> </ul> <b>Power</b> <ul style="list-style-type: none"> <li>Apparent</li> <li>Active</li> </ul> Power factor Frequency	<b>Current</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> <li>Peak Value</li> <li>Peak Factor</li> </ul> <b>Voltage</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> </ul> <b>Power</b> <ul style="list-style-type: none"> <li>Apparent</li> <li>Active</li> </ul> Power factor Frequency	<ul style="list-style-type: none"> <li>Charging current.</li> <li>Discharging current</li> <li>Battery operation time</li> <li>Residue capacity</li> <li>Battery voltage</li> <li>Date and time of last battery calibration</li> </ul>	<ul style="list-style-type: none"> <li>Internal temperature of Oscillator/ battery bank</li> <li>Ambient temperature</li> </ul>	<ul style="list-style-type: none"> <li>Number of Battery commutations</li> <li>Number of total discharge</li> </ul> Overall time of : <ul style="list-style-type: none"> <li>Battery operation</li> <li>Mains operation.</li> </ul>
<b>SPECIFICATIONS OF BATTERY BANK</b>				
<b>Features</b>	<b>Specifications</b>		<b>Remarks</b>	
BATTERY TYPE	SMF VRLA			
CAPACITY	120/360 V, 100-1800 AH ( 2 Volt Cells of 100-1800 AH SMF VRLA )			
INTERNAL RESISTANCE (FULLY CHARGED @ 25 DEG C)	3.5 m Ohm			
CAPACITY AFFECTED BY TEMPERATURE (10 ) HRS <ul style="list-style-type: none"> <li>40 DEGREE</li> <li>25 DEGREE</li> <li>0 DEGREE</li> </ul>	<ul style="list-style-type: none"> <li>102%</li> <li>100%</li> <li>85%</li> </ul>			
SELF DISCHARGE 25 DEG <ul style="list-style-type: none"> <li>3 MONTHS</li> <li>6 MONTHS</li> <li>12 MONTHS</li> </ul>	<ul style="list-style-type: none"> <li>REMAINING CAPACITY 91%</li> <li>REMAINING CAPACITY 82%</li> <li>REMAINING CAPACITY 65%</li> </ul>			
NOMINAL OPERATING TEMPERATURE	25 DEGREE + - 3 DEGREE C			
OPERATING TEMPERATURE RANGE	-15 DEG TO +60 DEG C			
FLOAT OPERATING VOLTAGE	2.23-2.25 VPC			

BOOST CHARGE	2.30-2.32 VPC	
MAXIMUM CHARGING CURRENT	0.2 C	C IS THE RATED CAPACITY@10 HOURS
TERMINAL MATERIAL	LEAD	
MAXIMUM DISCHARGING CURRENT	2500 A (5 Min)	
CONTAINER TYPE	FLAME RETARDANT ABS	
RACK FOR HOUSING BATTERY BANK	REQUIRED	
<b>Terms and Conditions:-</b> 1. The Minimum power back-up of the Oscillator 6 hours on full load. The <b>Oscillator and Battery bank both</b> should be warranted for <b>five years</b> from the date of installation and commissioning. 2. The bidder would have to undertake to <b>upkeep the complete oscillator system (oscillator and Battery bank)</b> for a minimum period of five years from the date of installation/commissioning by providing spares and service.  3. The scope of supply shall include supply and commissioning of complete Oscillator system at consignee's end across J&K.		
<b>Documents required to be attached with the Technical Bid</b>		
Document Required		
ISO 9001 : 2000 Certificate		
ISO 14001 : 2004 Certificate		
In House R&D recognized by Govt. of India, Ministry of Science & Technology		
Inductive Load Oscillator Output Graph		
THD Graph		
Output wave form graph		
PQM Captured Waveform Graph		
CE/UL Certificate		
Authorization from OEM specific to this tender enquiry in original		
<b>Eligibility of OEMs</b>		
ISO 9001 Certified		
ISO 14001 Certified		
CE/UL Certified		
<b>Company owned Service Centre at Jammu/Srinagar</b>		
<b>Super Brand Certification</b>		

S.No	Technical Speciation
1	<b>High Speed Refrigerated Centrifuge:</b>
	<ul style="list-style-type: none"> <li>a) Interactive LCD display.</li> <li>b) User friendly microprocessor control.</li> <li>c) Menu driven ten programme memory.</li> <li>d) Precise control and reproductability.</li> <li>e) Imbalance detector with cut-off.</li> <li>f) Safety lid interlock to prevent cover opening during centrifugation.</li> <li>g) Unique safety rotor identification system.</li> <li>h) Choice of 9 acceleration and 9 deceleration profiles.</li> <li>i) Brushless induction motor, practically maintenance free.</li> <li>j) Speed holding accuracy 100 RPM.</li> <li>k) 0-99 minutes countdown timer.</li> <li>l) Self-diagnosis for errors</li> <li>m) High voltage safety cut-off for unit protection.</li> <li>n) Strong fabricated steel housing, corrosion resistant painted.</li> <li>o) Brushless induction motor with frequency drive</li> <li>p) Front mounted control panel &amp; self-illumination.</li> <li>q) Hermetically sealed compressor.</li> <li>r) Max speed 20,000 RPM (37570g)</li> <li>s) Max cap.1200 ml, max tube size 100 ml.</li> <li>t) Lowest temp. -8°C.</li> <li>u) Power supply 1.6 KVA, 230V, single phase, 50 Hz AC.</li> <li>v) Without rotor heads &amp; accessories.</li> </ul> <p><b>Angle heads with polypropylene tubes for above models:</b></p> <ul style="list-style-type: none"> <li>1. 8 x 25 ml</li> <li>2. 15 x 15 ml</li> <li>3. 8 x 50 ml</li> <li>4. 24 x 1.5 ml</li> <li>5. 8 x 100 ml</li> </ul>
2	<b>Technical Specifications for 5 digit balance</b>
	<ul style="list-style-type: none"> <li>1. Dual range balance with max capacity of approx...120g.</li> <li>2. Readability of 1.01 mg in fine range.</li> <li>3. Documented min weigh of 3 mg or less (1% tolerance and k=2).</li> <li>4. Pan size of the balance should not be less than 80 mm.</li> <li>5. Balance should have tracking feature to track the available capacity of balance.</li> <li>6. Balance should have overload protection.</li> <li>7. Option of data transfer to PC without software.</li> <li>8. Balance should have fully automatic time and temperature control internal calibration.</li> <li>9. Balance should have 2 built in weights for internal calibration, to ensure constant accuracy over the entire weighting range.</li> <li>10. The configuration of the balance should be protected against manipulations.</li> </ul>

	<p>11. Built in date and time function for GLP/GMP compliance to ensure full traceability.</p> <p>12. Programmable keys for application should be available.</p> <p>13. Option for touch free operation of balance.</p>
<b>3</b>	<p><b>Magnetic Stirrers:</b></p> <ol style="list-style-type: none"> <li>1. Speed range 100-1500 rpm</li> <li>2. Porcelain Enamel Hot Plate model for temperature up to 340° C.</li> <li>3. Ceramic hot plate model temperature up to 550°C</li> <li>4. Easy-to-read backlit LCD for display of set &amp; actual parameters</li> <li>5. Monitoring of set &amp; actual temperature / speed</li> <li>6. High accuracy of temperature control with embedded dual sensors</li> <li>7. External temperature probe(PT-1000) for control of fluid temperature.</li> <li>8. Last parameters recall, ideal for repetitive processes.</li> <li>9. A mode for running without external temperature sensor.</li> <li>10. B mode for control of temperature through external sensor.</li> <li>11. C mode for recall of last set parameters.</li> </ol> <p>Power (W): 1050</p> <p>Max.stirring quantity (water) (Liters): 10</p> <p>Stirring paddle (PTFE coated): Q-20A (13 x 50 mm)</p> <p>Motor rating input (W): 18</p> <p>Motor rating output (W): 10</p> <p>Speed range (rpm): 100-1500</p> <p>Speed / Temperature display: LCD</p> <p>Speed display resolution (rpm): 1</p> <p>Top plate material:Glass ceramic.</p> <p>Dimension of top plate (mm): 184 x 184</p> <p>Heating power (W): 1000</p> <p>Temperature range: up to 550°C</p> <p>Control accuracy of heating temperature with PT-1000:0.2°C</p>
<b>4</b>	<p><b>Vortex Mixers:</b></p> <p>Designed for mixing liquids in schools, Laboratories &amp; factories.</p> <p>Touch / continuous operating mode selection through bi-directional switch.</p> <p>Speed regulation through knob provided on the control panel.</p> <p>Interchangeable mixing heads for use with variety of tubes.</p> <p>Power (W): 60.</p> <p>Shaking movement: Orbital.</p> <p>Orbital Diameter (mm): 4.</p> <p>Motor type: shaded-pole motor.</p> <p>Motor rating input / output (W): 58/10.</p> <p>Permissible ON time: 100% power 30 mins.</p> <p>Speed range (rpm): 0-2500.</p> <p>Run type: Continuous / touch operation.</p> <p>Dimensions (mm): 127 x 130 x 160.</p> <p>Weight (kg): 3.5.</p> <p>Protection class acc.To DIN 60529: IP 21.</p>