



**Rajasthan Medical Services Corporation Limited, Jaipur  
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No. F-8(M1/ )RMSC/EPM/R.C. 13-14/NIT No.-20/2013/ 469

Dated: 12.3.13

**Corrigendum/Amendments/Clarifications  
(NIB No. 20)**

**Subject:** - Amended technical Specifications and other conditions of Bid document after Pre-Bid dated 19/02/2013, for the tender of Equipment & Instruments, under NIB No. F-8(M1/ ) RMSC/EPM/R.C. 13-14/NIT No.-20/2013/345 Dated: 08/02/2013

**Reference:** - Pre Bid Conference held on 19/02/2013

In Reference to above sited subject and NIB, The pre-Bid meeting of NIB no.-20 was held on dated 19.02.2013. The various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Corrigendum/ Amendments/ Clarifications are issued for inclusion in Bid document & Technical Specification of items (Annexure-c) as below

1. **Last Date for Sale of Bid, Date of Receipt of Bid & Date of Opening of Technical Bid is hereby extend as below:-**

Existing Dates			Extended Dates		
Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid	Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
1	2	3	4	5	6
14/03/2013 upto 6.00 P.M.	15/03/2013 Upto 1.00 P.M.	15/03/2013 From 3.00 P.M.	02/04/2013 upto 6.00 P.M.	03/04/2013 Upto 1.00 P.M.	03/04/2013 From 3.00 P.M.

2. **The terms and conditions of Bids and rate contract no. 9 of Annexure-B is amended as below. The Bid form fee, processing fee and bid security shall be submitted through either of the below given options :**

(i) Bid security , Bid form fee and processing fee shall be deposited through three separate prescribed challans (format enclosed in annexure-1) in any branch of the **Punjab National Bank, Account no. 2246002100024414 throughout the country**. The bidders shall submit scanned copy of the challans in Technical Bid (Cover-A).

OR

The Tender form fee Rs. 2000.00 (Rs. 1000.00 for SSI Units of Rajasthan) downloaded from the website shall be submitted in the form of D.D./Banker cheque in favor of M.D., RMSCL payable at Jaipur. The bidders are also required to deposit processing fee of Rs. 1000.00 in the form of D.D./Banker cheque in favor of M.D., RISL payable at Jaipur. The Tender fee, processing fee and EMD shall be deposited physically at the office of M.D., RMSCL, Jaipur before the last date and time of bid submission.

3. **It is clarified that the average annual turnover for a particular item shall be as per table-1 provided at point no.-5 of general instruction to bidders.**

The Average annual turnover shall be as per Table-1 for last three years and minimum 50.00 lacs for SSI units of Rajasthan for last three years. The turn over statement duly certified and signed by Chartered Accountant & Attested by Notary Public shall be submitted along with bid. Failing to specified turnover criteria bid will be rejected. Distributors/Suppliers/ Agents/Loan Licensees are not eligible to participate in the tenders.

**4. The clause no. 28. of Annexure-B the procuring entity's right to vary quantity is amended as given below:**

- (i) The quantity of equipments originally indicated in the bidding document may vary without any change in the unit prices and other terms and conditions of the bid and the conditions of contract.
- (ii) If the RMSCL 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.
- (iii) If the Bidder fails to supply the RMSCL shall be free to arrange/procure the items and the extra cost incurred shall be recovered from the Supplier.

**5. The security deposition at clause-17 of Annexure-B is amended and clarified as under:**

- (i) All firms whose offers are accepted will have to deposit a security of minimum Rs. 5.00 lacs for each item in favor of M.D., Rajasthan Medical Services Corporation Ltd., Jaipur at the time of agreement. The SD shall be deposited in the form of DD/Banker cheque/ BG. However the minimum amount of BG shall be 10.00 lacs with a validity period of 30 months. The security amount shall in no case be less than the earnest money.
- (ii) The firm may submit Bank Guarantee issued by any nationalized bank. The minimum validity of bank guarantee should be thirty months or up to 6 months after completion of guarantee period of item.
- (iii) The S.D. shall be 5% of the total value of stores ordered for supply. If the total value of stores supplied by the firm to various consignees as directed by M.D. RMSC Ltd., Jaipur is exceeded 100.00 lacs, the firm shall deposit an additional 5% security of value of supply orders exceeding amount to 100.00 lacs to M.D., Rajasthan Medical Services Corporation Ltd., Jaipur. Before ensuring the security deposit, the Purchase Officer will not release payment until the additional S.D. amount deposited by the suppliers. Additional S.D. shall be estimated/calculated based on the information submitted by firms in statement no. I and II. Supply orders should only be placed after appropriate deposition or adjustment of S.D. by RMSC.
- (iv) The earnest money (bid security) of successful Bidder will be adjusted toward security deposit. The bidders shall submit scanned copy of the challan/DD/Banker cheque in Technical Bid (Cover-A).
- (v) The security will be refunded after six months from the date of expiry of the contract on satisfactory completion of contract and after satisfying that there are no dues outstanding against the Bidder subject to CMA provisions.

**6. The clause-36 of Annexure-B grievance redressal during procurement process is amended as under:**

- (1) The Designation and address of the First Appellate Authority is The Secretary, Department of Medical & Health ( MD, NRHM), or as decided by the Govt. of Rajasthan.
- (2) The Designation and address of the Second Appellate Authority is Principal Secretary, Medical, Health & Family Welfare, Govt. of Rajasthan and Chairman, RMSCL, or as decided by the Govt. of Rajasthan.

**7. The point three of Annexure-L the offering conditions of the firm are amended and clarified as under :**

**(g) Firms Offering Conditions:-**

- |   |   |
|---|---|
| • Response time                           | 48 Hours after first contact                                |
| • Service hours                           | Mon-Fri (09:30-18:00)                                       |
| • Preventive Maintenance (PM)**           | At least two half yearly or any number                      |
| • Parts for Preventive maintenance        | All, as per requirement free of cost during guaranty period |
| • Up time                                 | 95% (346 Days)  |
| • Breakdown                               | All   |
| • Technical & Application Support Session | As required   |
| • Demonstrations & Trainings              | As & when required  |

**Note:\*\* PM Includes Quality Assurance, Safety checks and calibration**

**8. The point no.-8 of Annexure-L the liquidated damages are amended and clarified as under**

- (i) The Supplier/service providing firm shall be liable to pay a penalty of Rupees five Hundred per day (**Varies from equipment to equipment**) if the firm didn't response after 48 hours from the time of receiving first complain. The complaint may be sent to firm by way of telephone/fax/letter or e-mail. The amount of L.D. will be directly deducted from the S.D. of the firm at the time of refund or before by way of any adjustment order.
- (ii) During breakdown of equipments/machine firm will depute the engineer for immediate rectification of defect within 48 hours positively otherwise equipment may be got repaired on the risk & cost of firm.

**9. The declaration of Annexure-N is amended as- The word 'black listing' is replaced by the word 'debar'**

**10. A new Annexure P-1 is inserted as given below :**

(Shall be submitted on letter head of firm)

**Annexure-P -1**

Date: \_\_\_\_\_

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

**Declaration**

I/We a legally constituted firm/body \_\_\_\_\_ and represented by \_\_\_\_\_ declare that I am/ we are Manufacturers/Direct Importer in the Goods and Related Services for which I/We have Bid.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/our Bid Security may be forfeited in full and the Bid if any to the extent accepted may be cancelled.

Signed.....

Name.....

In the capacity of: .....

Duly authorized to sign the Authorization for and on behalf of.....

.....  
Tel: .....

Fax: .....

E-mail: .....

Date: .....

**11. The Annexure-Q is amended as under**

I.....S/o.....Aged.....Yrs.....residing ..... at .....  
Proprietor/Partner/Director of M/s..... verify and confirm that the contents at **Annexure (A) to (P-1)** above are true and correct to the best of my knowledge and nothing has been concealed therein. May, God help me.

Signature of Bidder.....

Name:.....

Address:.....

**112.** The following amendments/modification are made as suggested by Bidder's during pre-bid meeting in Annexure-D:

Revised-ANNEXURE-D

Rajasthan Medical Services Corporation Limited, Jaipur

**FINANCIAL BID FOR QUOTED ITEM NIB NO.-20**

	(B)Cecombs Gel Card 4x12x6		--	1x1000 Cards				
	(C) LiSS ID Diluent 500ml	--	500ml					
	(D)Grouping Gel Cards	--		1x1000 Cards				
	(E)Antibody Screening Gel Cards	--		1x1000 Cards				
LEA030	Blood Bank Refrigerator		549	Each				
LEA031 (A)	REFRIGERAT OR 240 Ltr.	630	Each					
LEA031 (B)	REFRIGERAT OR 280 Ltr.	119	Each					
LEA031 (C)	REFRIGERAT OR 360 Ltr.	60	Each					
LEA033	BIO-MEDICAL WASTE AUTOMATIC SHREDDING MACHINE CAPACITY 15KG/HR	870	Each					
LEA034	Dielectric T TUBE SEALER FOR BLOOD BAGS	172	Each					
LEA036	BLOOD MIXER (ROLLER MIXER)	205	Each					
LEA037	ELISA Reader/ ELISA PROCESSOR (Fully Automated)	10	Each					
LEA038	ELISA Reader with washer multi scan	52	Each					

	SSX-washer 4 MK-2 (Plate reader)										
LEA039	Fully automated deluxe donor couch		60	Each							

Rates shall only be filled in BOQ on <https://eproc.rajasthan.gov.in> (Not to be disclosed here)

For comparison of rates (the average comprehensive annual maintenance charges per year shall be added to the total rates (Column No. 10) of equipments, if CAM (Comprehensive Annual Maintenance) is applicable. \*The rate of A-E above shall be added for comparison of rates in LEA029.

Date

Signature  
Name in Capitals  
Company / Firm Seal

NOTE:-

1. The concessional cst against c- form shall be applicable.
2. The rate quote should be inclusive of excise duty but exclusive of sales tax/vat.
3. Excise component should be separately shown in column no.8 for further reference.(see condition no. 14.(v) etc.
4. Rate should be quoted on separate sheets for each item. (see condition no. 5)
5. Rate should be quoted only for packing units as mentioned in the tender catalogue.
6. No quantity or cash discounts should be offered..
7. Read all the terms & conditions before filling the annexure-d.
8. Please quote rates of maintenance charges after guarantee period, if applicable for the item.
9. Please quote rates in absolute amount only.
10. Please enclose the rate list of reagent, consumables & spares for making supplies to rmsc in annexure 1 (point-6)
11. Firm is also required to submit cost analysis details / report of per test with all required documentary evidences.
12. T.C. may ask for any technical information from the bidder to evaluate the equipment.

**13. APPLICABILITY OF CLAUSES:-** All the clauses from 1 to 48 and their annexure, formats & enclosures and their amendments are applicable for the tendered items.

**14. THE TECHNICAL SPECIFICATIONS ARE AMENDED/REVISED AS UNDER AS DECIDED BY T.C.**

Sr. No.	Code No.	Amended/Revised Technical Specification	Packing Unit	Quoted Item YES/NO	
1.	LEA028	<p><b>WATER DEIONIZER FOR LABORATORY GRADE WATER</b></p> <p>TYPE II Water Purification system: as per CLSI norms.</p> <p>Type II System Should be capable of producing <math>&gt;10</math> mega Ohms Measuring with pre-treatment cartridges, Reverse Osmosis, Electro Deionization with feed water acceptance of up to 2000 micro Siemens conductivity, Fouling Index (SDI)<math>&lt;12</math>, Total Chlorine<math>&lt;3</math> ppm.</p> <p>STAGE 1 * 3 Stage pre-treatment System</p> <p>PREFILTER * 5 micron carbon cartridge and 1 micron wrapped type Depth filter</p> <ul style="list-style-type: none"> <li>* Less than low/high pressure cut off</li> </ul> <p>STAGE 2 * High flux Thin film Composite polyamide RO membrane with 94-99% rejection.</p> <ul style="list-style-type: none"> <li>* Conductivity cell after RO would provide the efficiency of the membrane in rejecting the contaminants as well as permeate water quality.</li> </ul> <p>STAGE 3 * Electro deionization module with regeneration by a week</p> <p>Electric current, eliminating the need for chemical Regeneration or replacement of DI resin cartridges.</p> <ul style="list-style-type: none"> <li>• EDI (Electro Deionization) module that should not require softening pretreatment.</li> <li>• Carbon beads at cathode of the EDI module to prevent scaling of the module.</li> <li>• Coaxial resistivity cell with a flow through design and a cell constant of <math>0.01\text{cm}^{-1}</math></li> </ul> <p>RESERVOIR * 25-30 L capacity inbuilt PE reservoir to save space.</p> <ul style="list-style-type: none"> <li>• Float switch, programmed to have high and low level cut off based on water level in the tank should possess a tank vent filter made 0.45 micron hydrophobic membrane to trap contaminants present in atmospheric air.</li> </ul> <p>STAGE 4 * Final filter options: Optional final filter with 0.22 micron membrane filter in stack disc configuration.</p> <p>Pure (Type II) water: As per CLSI norms</p> <p>Resistivity ..... <math>&gt;10</math> mega Ohms</p> <p>TOC (ppb)..... <math>&lt;30</math></p> <p>Flow rate(L/hr)..... 5L to the reservoir and 2L/min at the dispenser</p> <p>Bacteri..... <math>&lt;1\text{cfu/ml}</math> [with 0.22 micron final filter]</p> <p>CAMC for five years after Expiry of Two years Guarantee period.</p> <p>NOTE: Company should mention the cost of consumable to be used for continuous working of the equipment with their cost and their shelf life in separate envelope at the time of demonstration. Bidder should arrange installation with regard to Services of Plumber and other items used.</p>	Each	4	5

2.	LEA029	<b>MICROPROCESSOR CONTROLLED MICROTYPPING CENTRIFUGE MACHINE &amp; INCUBATOR FOR COOMBS CROSSMATCH, ANTIBODY SCREENING, BLOOD GROUPING AND SYPHILIS TEST.</b>	Each
		<ul style="list-style-type: none"> <li>* Dedicated to centrifuge USA, FDA approved, sephytral S 200 Gel micro typing system cards based on gel column agglutination technology.</li> <li>* It should have 6/12 slots to centrifuge any combination of gel technology based micro typing system card with "V" shaped button for clarity in results.</li> <li>* Monitored by microprocessor.</li> <li>* 1175 rpm +/- 5 rpm, (85g +/- 1g) and prefixed centrifugation time (10 min)</li> <li>* Dimension 27cm with 30.5 cm depth 17cm height</li> <li>* Is in EC conformity.</li> <li>* EWG 89/392 (Machines ) EWG 89/336 (EEC)</li> <li>EWG 73/23 (Low tension)</li> <li>EN 6101-1 (security requirements for laboratory instruments)</li> <li>* 110V-240V/50 Hz-60 Hz</li> </ul> <p>Micro typing System incubator 37 SI: Coombs cross match and blood grouping test</p> <ul style="list-style-type: none"> <li>* For Incubation of ID-Cards at 37°C</li> <li>* Capacity to incubate 24 ID cards.</li> <li>* Standard programme : 15 Minutes at 37°C (+/-2°C)</li> <li>* Time and temperature displayed (LCD)</li> <li>* 100-240 V/50-60Hz</li> </ul> <p>The Following combination of cards / Reagent should be offered :</p> <ul style="list-style-type: none"> <li>* Micro typing sephytral S 200 Gel based LISS/ Coombs cards with "V" shaped button micro tubes containing polyclonal AHG (rabbit anti IgG, monoclonal anti C3d, clone no C139-9) for coombs cross match IAT, DAT, antibody titre and identification etc.</li> <li>* Micro typing gel based forward/ reverse grouping card with 6 "V" shaped button tubes,</li> <li>* Micro typing LISS II Duhuent-2</li> <li>* Micro typing syphilis antibody detection cards with 6 V shaped button tubes.</li> <li>* Micro typing cards for NaCl/ Enzyme test and cold agglutination with 6 V Shaped button tubes for higher sensitivity.</li> </ul> <p>CAMC for five years after Expiry of Two years Guarantee period</p>	
3.	LEA030	<b>BLOOD BANK REFRIGERATOR</b>	Each
		<ul style="list-style-type: none"> <li>* Blood Bank refrigerator should accommodate 100-150 standard blood bags of 350-450ml. each capacity.</li> <li>* Refrigerator temp. ratings should be 2°C to 6°C with setting accuracy <math>\pm 1^{\circ}\text{C}</math>.</li> <li>* Refrigerator should have provision of air circulation for constant temperature distributions.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Refrigerator should have digital temp. Display system with 7 days graphic temp. recorder with range of -10°C to 20°C. It should have suitable battery back up including charger &amp; audio visual alarm system &amp; should be for 4-6 hours minimum. Temperature indicator &amp; recorder should be duly calibrated &amp; should have a test report by G.O.I. certified testing lab. Door opening audio and visual display alarms.</li> <li>• The electronic circuit of the equipment should ensure frost free performance thereby avoiding periodical defrosting.</li> <li>• Outside C.R. sheet at least 1 mm thick and inside non-magnetic, AW1304 Prob stainless steel of at least 22 G. It should have 4-5 rolled out type drawers of stainless steel of 22G. and should be perforated on the bottom for perfect and homogenous distributions of cold air. Safety glass fronts which allow easy viewing of content and act as protection against loss of cold air.</li> <li>• Automatic from door closing below a door opening angle of 90°C and door lock.</li> <li>• A line voltage corrector of appropriate rating will form part of standard configuration &amp; will be fitted with a voltmeter &amp; switch to indicate output/input voltage. The output voltage 220V-240V adjustable &amp; input voltage 160V-260V, 50 cycle &amp; single phase. Line voltage connector should be of suitable make &amp; with manufacturer test certificate.</li> <li>• Weight of refrigerator to be indicated by the bidder.</li> <li>• Interior copper tube of refrigerator should be of high quality confirming to ASTM B Gr 68.</li> <li>• Installation commissioning trial run will be the responsibility of the bidder.</li> <li>• The firm shall submit the technical details along with catalogue &amp; owner's operational manual with the supply.</li> <li>• Configuration should have all standard accessories &amp; any option may be separately indicated.</li> <li>• Refrigerator should have back up thermostat to avoid negative temperature in case of sensor/ controller failure.</li> <li>• Blood Bank Refrigerator should have two sensors, one for compressor management and other of display and alarms with edit support of Mobile alert to minimum 3 feeded mobile number in cases of deviation.</li> <li>• The unit should comply the IEC safety standards &amp; should enclose relevant documents.</li> <li>• The firm should submit the compressor optimization report from the manufacturer's confirming that the compressor used is new &amp; suitable for the specific unit.</li> <li>• Surface Treatment and Power Coating: All the mild steel section shall be duly digressed, derusted, phosphate etc. by seven tank process. Facility available with the firm shall also be clearly indicated in the offer. Mild steel surface shall be duly powder coated after this surface treatment.</li> <li>• Comprehensive Guarantee period with spare parts for at least three years (from the date of installation/ demonstration).</li> <li>• Blood Bank refrigerator should conform to specification laid by NACO. Firm should quote rates for standard model.</li> <li>• CAMC for seven years after Expiry of Two years Guarantee period.</li> </ul>
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4.	LEA031 (A)	<b>REFRIGERATOR 240 Ltr.</b>	Each
		<p>Minimum Gross Storage Capacity - 240 ltrs</p> <p>Model Type - Double Door</p> <p>Voltage Range at 40 degree centigrade - Capable of working on 220 Volts + 12% A.C 50 Hz</p> <p>Powder Source - AC, 220 Volts to, 50 Hz <math>\pm 10\%</math></p> <p>Method of Defrosting - Frost Free</p> <p>Insulation - Puff/Maxi2 / Polyurethane</p> <p>Refrigerant Gas - CFC free</p> <p>Compressor - Power saver compressor</p> <p>Accessories Required - Adjustable shelves(4 to 5), chiller Tray, Temperature controller, Auto lamp on/off feature, should be supplied with all standard accessories as per manufacturer catalogue for the model supplied</p> <p>Guarantee - With 3 year comprehensive Guarantee</p> <p>Stabilizer - Should work on inbuilt stabilizer</p> <p>Star Rating - Should be of 5 star rating</p> <p>Colours - Preferably Steel grey with metallic finish (Metallic colour )</p> <p>The unit should comply with relevant IEC safety standards</p> <p>CAMC for five years after Expiry of Three years Comprehensive Guarantee period.</p>	
5.	LEA031 (B)	<b>REFRIGERATOR 280 Ltr.</b>	Each
		<p>Minimum Gross Storage Capacity - 280 ltrs</p> <p>Model Type - Double Door</p> <p>Voltage Range at 40 degree centigrade - Capable of working on 220 Volts + 12% A.C 50 Hz</p> <p>Powder Source - AC, 220 Volts to, 50 Hz <math>\pm 10\%</math></p> <p>Method of Defrosting - Frost Free</p> <p>Insulation - Puff/Maxi2 / Polyurethane</p> <p>Refrigerant Gas - CFC free</p> <p>Compressor - Power saver compressor</p> <p>Accessories Required - Adjustable shelves(4 to 5), chiller Tray, Temperature controller, Auto lamp on/off feature, should be supplied with all standard accessories as per manufacturer catalogue for the model supplied</p> <p>Guarantee - With 3 year comprehensive Guarantee</p> <p>Stabilizer - Should work on inbuilt stabilizer</p> <p>Star Rating - Should be of 5 star rating</p> <p>Colours - Preferably Steel grey with metallic finish (Metallic colour )</p> <p>The unit should comply with relevant IEC safety standards</p> <p>CAMC for five years after Expiry of Three years Comprehensive Guarantee period.</p>	

6.	LEA031 (C)	<u>REFRIGERATOR 360 Ltr.</u>	Minimum Gross Storage Capacity - 360 ltrs Model Type - Double Door Voltage Range at 40 degree centigrade - Capable of working on 220 Volts + 12% A.C 50 Hz Power Source - AC, 220 Volts to, 50 Hz± 10% Method of Defrosting - Frost Free Insulation - PuffMaxi2 / Polyurethane Refrigerant Gas - CFC free Compressor - Power saver compressor Accessories Required - Adjustable shelves(6 to 7), chiller Tray, Temperature controller, Auto lamp on/off feature, should be supplied with all standard accessories as per manufacturer catalogue for the model supplied Guarantee - With 3 year comprehensive Guarantee Stabilizer - Should work on inbuilt stabilizer Star Rating - Should be of 5 star rating Colours - Preferably Steel grey with metallic finish (Metallic colour ) The unit should comply with relevant IEC safety standards CAMC for five years after Expiry of Three years Comprehensive Guarantee period.	Each
7.	LEA033	<u>BIO- MEDICAL WASTE AUTOMATIC SHREDDING MACHINE CAPACITY 15KG/HR</u>	<ul style="list-style-type: none"> <li>• It should be sturdy full automatic, hydraulically operated and PLC microprocessor controlled.</li> <li>• Hydraulically operated top pressing arm and front lid.</li> <li>• Fully enclosed with no chance of aerosol.</li> <li>• Automatic reverse rotation under load.</li> <li>• High torque with hydraulic motor.</li> <li>• Mess size variable to shred small or big medical waste.</li> <li>• Low power consumption.</li> <li>• CAMC for five years after Expiry of Two years Guarantee period.</li> </ul>	Each
8.	LEA034	<u>DELECTRIC TUBE SEALER FOR BLOOD BAGS</u>	<ul style="list-style-type: none"> <li>• Heavy duty radio frequency sealer, US -FDA approved ISO 9001 : 2008 TUV</li> <li>• Automatic detection of the tube by pressing of a lever which activates sensor</li> <li>• Minimum sealing time (&lt; 2 sec)</li> <li>• No warm up time for the equipment before sealing</li> <li>• Should have separable rupture line to separate tube ends after sealing.</li> <li>• Detection of wet tube, Leakage and Sealing defect. Alarm in case of seal not safe and completed.</li> <li>• Switch mode power supply for uniform sealing irrespective of power supply variations</li> <li>• Compatible with the tubes of various manufacturers of blood bag. Should seals 3.0 to 5 mm tubes with wall thickness of 0.75 mm.</li> </ul>	Each

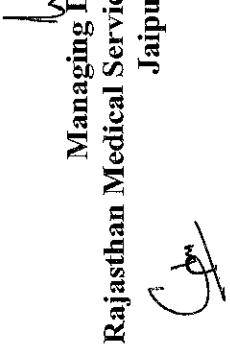
		<ul style="list-style-type: none"> <li>• Unit should have power backup or battery backup inbuilt to make more than 500 High Quality Seals per full charged battery as well as should have battery charge level indicator.</li> <li>• Indications for Ready, Seal and Power.</li> <li>• Protection against electric shock</li> <li>• Preferably power unit and sealing handle should be separate with a cable length of 1.5 meters</li> <li>• Provision for extended portable hand unit will be added advantage To be operational on 220 to 240 V at 50 Hz, single phase</li> </ul> <p>CAMC for five years after Expiry of Two years Guarantee period</p>													
9.	LEA036	<p><b>BLOOD MIXER (ROLLER MIXER)</b></p> <ul style="list-style-type: none"> <li>• This is an equipment to make blood homogeneous. It is shake-less and gentle mixing process. It is essential pre-process for perfect result of RBC, WBC and platelets counting on hematology analyzer.</li> </ul> <table> <tr> <td>• Roller Size :</td> <td>4Nos. X 230mm Lg.</td> </tr> <tr> <td>• Mains Input :</td> <td>230V, 50Hz / 110V, 50Hz, AC</td> </tr> <tr> <td>• RPC :</td> <td>30 RPM / 36 RPM</td> </tr> <tr> <td>• Mixing Time:</td> <td>15 to 20 Minutes</td> </tr> <tr> <td>• Weight :</td> <td>1.5-2.0 kg. Net</td> </tr> <tr> <td>• Capacity :</td> <td>Vaccutainer 6Nos. (of-4ml) Or Bulb of 5ml X 15Nos.</td> </tr> </table> <p>CAMC for five years after Expiry of Two years Guarantee period</p>	• Roller Size :	4Nos. X 230mm Lg.	• Mains Input :	230V, 50Hz / 110V, 50Hz, AC	• RPC :	30 RPM / 36 RPM	• Mixing Time:	15 to 20 Minutes	• Weight :	1.5-2.0 kg. Net	• Capacity :	Vaccutainer 6Nos. (of-4ml) Or Bulb of 5ml X 15Nos.	Each
• Roller Size :	4Nos. X 230mm Lg.														
• Mains Input :	230V, 50Hz / 110V, 50Hz, AC														
• RPC :	30 RPM / 36 RPM														
• Mixing Time:	15 to 20 Minutes														
• Weight :	1.5-2.0 kg. Net														
• Capacity :	Vaccutainer 6Nos. (of-4ml) Or Bulb of 5ml X 15Nos.														
10.	LEA037	<p><b>ELISA PROCESSOR (Fully Automated)</b></p> <ul style="list-style-type: none"> <li>- The system should be capable to wash flat, round and V bottom plates and strips.</li> <li>- The system should have fully automated four plate Elisa processor</li> <li>- The system should have capacity to load 100 samples.</li> <li>- The system should have 12 different assay per plate facility</li> <li>- The system should have capacity to load minimum 10 reagent bottles.</li> <li>- The system should have minimum four independent incubation chambers</li> <li>- The system should have minimum 4 wash buffer positions, liquid waste, tip waste</li> <li>- The system should have dispensing volume 10nl to 2500nl.</li> <li>- The system should have fluid alarm system for low reagent</li> <li>- The system should have variable speed of wash dispensing</li> <li>- The system should have sample pre-dilution and sample distribution from primary tubes</li> <li>- The system should have Continuous loading of plates, samples, reagents and tips</li> <li>- The system should have addition track for control and calibrator.</li> <li>- The system should have clot detection during sample processing</li> <li>- The system should have Disposable/standard reusable tips to eliminate carry over</li> <li>- The system should have Automated pre-dilution of samples.</li> <li>- The system should have Liquid level sensing/fill verification</li> </ul>	Each												

		<ul style="list-style-type: none"> <li>- The system should have on board incubation &amp; shaking facility from RT to TS 8C.</li> <li>- The system should have Photometric endpoint and kinetic reading facility</li> <li>- The system should be window based with easy to upgrade software.</li> <li>- The system should have barcode reader as additional feature.</li> <li>- The system should have be FDA/IVD/CE/ISO Certified.</li> <li>- The system should have advance QC Monitoring &amp; data management system.</li> <li>- It shall provide 2 years' guarantee and 3 years comprehensive maintenance contract (CMC)</li> </ul>	
11.	LEA038	<p><b><u>ELISA READER WITH WASHER MULTI SCAN SSX-WASHER 4 MK-2 (PLATE READER)</u></b></p> <p>* The system should be fully automated and easy to operate with 8 way mani fold.</p> <p>(1) The system should be capable to wash flat, round and V bottom plates and strips.</p> <p>(2) The should have large display along with more than 40-50 program storage facility.</p> <p>(3) The system should be having automatic calibration facility like well depth, well detection and last row detection.</p> <p>(4) The system should have warning facility for low liquid, vacuum and pressure.</p> <p>(5) Should have specially designed peristaltic pump to dispense 300-400ul in each well.</p> <p>(6) Aspiration of should be contamination through diagram pump while dispensing to prevent overflow residual volume after washing should be &lt; 2 ul.</p> <p>(7) Should be supplied with waste bottle wash bottle and rinse bottle of capacity 2 liter with tubing's.</p> <p>(8) Would have option for washing cycles like long wash, shot wash rinsing and priming.</p> <p>(9) Should be operable at 220 – 240 volts (50-60 Hz).</p> <p>(10) Should be supplied with plastic cover and optional accessories like extra wash bottle.</p> <p>(11) Cross wise aspiration, over flow washing, bottom washing.</p> <p>(12) Automatic manifold detection.</p> <p>(13) 8x12 channel manifold.</p> <p>(14) Equipment should be un-pressurized, capable of using any bottle or container.</p> <p>(15) Volume of wash liquid dispensed.</p> <p>(16) 50 to 3000 ul with 50 ul increment.</p> <p>(17) Suitable for U, V &amp; flat bottom micro plate etc.</p> <p>(18) Residual volume per well &lt; 2 ul.</p> <p>(19) System should be FDA/IVD/CE/ISO certified.</p> <p>(20) Company should have local based engineer.</p> <p>(21) It shall provide 2 years' guarantee and 3 years comprehensive maintenance contract (CMC)</p> <p><b>MICROPLATE READER SPECIFICATIONS</b></p> <p>-Fully Automatic Elisa Plate Reader.</p> <p>-Dichromatic optics with six wavelengths.</p> <p>-Should have tungsten/LED lamp with lamp saver feature.</p> <p>-Parallel and serial port for External Printer.</p> <p>-Printout of the full plate in matrix format.</p> <p>-Microprocessor should be Z80a or Z180.</p>	Each

		<ul style="list-style-type: none"> <li>-Should read Elisa Plate Horizontally A to H &amp; Vertically 1 to 12.</li> <li>-Multiple cavity hard coat interference, filters with 10nm half band pass.</li> <li>-Photometric Accuracy should be <math>\pm 1\%</math> or better (NIST)</li> <li>-Linear measurement range -0.20 to 3.0 absorbance unit./</li> <li>-Stability drift of no more than .005A in 8 hours.</li> <li>-Non volatile memory approximate 36 test with curve 's</li> <li>-Should be F.D.A./I.V.D./C.E./I.S.O. approved</li> <li>-Local based engineer</li> </ul>	
12.	LEA039	<p><b>FULLY AUTOMATED DELUXE DONOR COUCH</b></p> <ul style="list-style-type: none"> <li>(i) It should be equipped with following electrically operated functions operated by Remote Control.</li> <li>(ii) It should have back section adjustment.</li> <li>(iii) It should have leg section adjustment.</li> <li>(iv) It should be easily converted into Bed.</li> <li>(v) Should have lifting capacity at least 110-120 kg.</li> <li>(vi) The frame of the Recliner is constructed of High grade Steel duly epoxy powder-coated.</li> <li>(vii) The base is covered with smooth and elegant finish polymer molded which is rust-free, scratch resistant and easy to clean and should have wheels to move the couch.</li> <li>(viii) The Recliner is fitted on heavy duty manoeuvring heavy duty 12.5mm PU Castors with brakes.</li> <li>(ix) It should has a three sectional top duly covered with Elegant upholstered high density, max. Comfort Foam Padding.</li> <li>(x) Fitted with auto adjusted Arm supports which automatically takes its positions during the adjustment of Backrest.</li> <li>(xi) Unit should have accessories- blood Collection Monitors Tray, BP. Apparatus Tray and Tray for other accessories and telescopic IV Stand.</li> <li>(xii) It should have one year guarantee.</li> <li>(xiii) It should be ISO 9001:2008 TUV/CE Certified</li> </ul>	Each

**15. It is clarified that the information required in bidding document should be submitted only in enclosed annexure (A to P-1) without any change or modification in its formats. Bids submitted with changed or modified annexure/ formats may be rejected.**

**Note:- Please note that above all Amendments/corrigendum in technical Specifications/bid conditions, is the integral part of Annexure-C and tender document. This corrigendum shall be signed and annexed with tender/ bid document.**

  
**Managing Director**  
**Rajasthan Medical Services Corporation Ltd.,**  
**Jaipur**