

RAJASTHAN MEDICAL SERVICES CORPORATION LTD.
D- Block, Swasthya Bhawan, Tilak Marg, C-Scheme JAIPUR (Raj)



Ph. No. 0141-2223887, Fax No. 0141-2228065

CIN: U24232RJ2011SGC035067

E-Mail -edepmrmse-rj@nic.in

No. F-8(09)RMSC/EPM/M-1/R.C.15-16/NIB-113/2015/2422

Dated: 18/12/15

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: - Revised Bid Schedule & Amended Technical Specifications of Bid document of items (01) Blood Bank Refrigerator (300 Blood Bag Capacity) (02) Dry Incubator (03) Fully Automated Deluxe Donor Couches (04) Horizontal Laminar Air Flow Bench (05) Di-Electric Tube Sealer (Portable) under NIB No. F-8(09)RMSC/EPM/M-1/R.C.15-16/NIB-113/2015/1416 Dated 28.09.15, CLARIFICATION/CORRIGENDUM/ADDENDUM No.1917/05.11.15, 2101/26.11.15 & 2263/ 11.12.15

In Reference to subject cited above and NIB-113, the representations received from the firm and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Clarification/Corrigendum/Addendum are issued for inclusion in Bid document & Technical Specification of items as below:-

01 Amended Technical Specifications of Items (01) Blood Bank Refrigerator (300 Blood Bag Capacity) (02) Dry Incubator (03) Fully Automated Deluxe Donor Couches (04) Horizontal Laminar Air Flow Bench (05) Di-Electric Tube Sealer (Portable) as below:-

(01) Amended Technical Specifications of item Blood Bank Refrigerator /Blood Storage Cabinet:(300 blood bags capacity)

1. Purpose of Equipment

1. A refrigerator for storing whole blood or red cell packs in a blood bank.
2. Must be designed specifically for blood bank use. Commercial or modified commercial refrigerators for other purpose are not acceptable

2. Type of Equipment

Approved standard electrical Blood bank refrigerator that uses a compressor circulating CFC-free refrigerant / green gas

3. Quality Standard

1. Should have built in temperature recorder and controller positioned at Eye level for better visibility and monitoring.
2. Must have uninterrupted electronic temperature circular chart recorder / six inch, 24×7-day, ink-less pressure sensitive circular chart recorder and accuracy should be +/- 1 degree Celsius with supply of free charts for a period of Guaranty.
3. Should have a digital temperature probe located in the top portion of the chamber in a liquid medium bottle for accurate temperature measurement.
4. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
5. Should be compliant with European CE or US FDA (Valid documentation should be submitted in technical bid).
6. Equipment must meet electrical safety specifications of IEC 60601-1

4. Capacity

1. At least 300 standard blood bags

5. Construction

1. Outside C. R. (Corrosion Resistant) Sheet at least 1 mm thick
2. Inside stainless steel of at least 22 G.
3. Insulation >50 mm thick, foaming agent CFC free

6. Drawers

1. Stainless steel, scratch resistant Drawers perforated to ensure good air circulation.
2. Roll out type.
3. At least four or more in number

7. Door

1. Glass door with full visibility of units without opening door
2. Automatic/Magnetic closing
3. Door opening audio and visual alarm
4. Door lock should be available

8. Electrical characteristics

1. Compatible with Input voltage: 240V 50 Hz Single phase AC
2. Should have an integrated voltage stabilizer or external stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz).

2/2

3. Minimum compressor starting voltage should be 22% below normal voltage.
4. At room temperature of 25°C should be able to maintain at ideal compressor running time of 27%.

9. Internal Temperature

1. Blood Bank Refrigerator should have inside temperature range of 2°C - 6°C
2. User parameter settings: Set point, High alarm point, low alarm point, buzzer off time, C/F unit display choice.
3. Whatever the load, setting accuracy less than or equal to 0.5°C (preferably 0.1°C).
4. Should ensure frost free performance thereby avoiding either freezing or heating. If defrosting function used, temperature should not go outside range specified above

10. External Ambient Temperature:

1. Can perfectly maintain internal temperature as above at full load in an ambient temperature of +10 to at least +40 °C

11. Hold-Over Time

1. A full load of blood packs at +4 °C (± 1 °C) should take more than 1.5 hours to rise to above +6 °C if power off

12. Cooling Down Time.

1. A full load of blood packs at +25 °C takes a maximum of 13 Hrs for all packs to reach +6 °C

13. Should have flicker free CFL lamp for uniform lighting and better visibility of samples inside the cabinet.

14. Should have Audible and visual High and Low temperature alarm & power fail alarm as a standard feature with alarm silence button.

15. A suitable capacity voltage stabilizer and one 1.5 Ton split A.C. of reputed make should be supplied free of cost with the system. (Guarantee card with bill have to be submitted with item to claim guarantee)

16. SMS alerts to user defined recipients in case of any deviation in temperature, break down and power failure with provision to connect with central (Temperature) monitoring system / facility of wireless data transfer facility & storage of temp. data on cloud, with continuous accessibility of data on PC or laptop and on smart phones with internet facility.

17. **Guarantee:** Three years on equipment from the date of installation.

18. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years.

19. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.

20. Installation will be done by supplier free of cost.

21. The service engineer should be based in Rajasthan.

22. Four Preventive Maintenance services annually during Guarantee and CMC period are essential.

23. Demonstration of equipment is must for final technical approval.

(02) Amended Technical Specifications of item Dry Incubator :

1. Main Input : 230V/50Hz A.C. Supply
2. WxDxH : 168(W) x 232 (D) x 93(H) $\pm 10\%$
3. Body : Metal
4. Body Weight : 2.3kg. $\pm 10\%$
5. Temp. Controller : Digital Type
6. Temp. Range : 1°C to 110°C
7. Accuracy : 0.3°C at the given range
8. Heating Block : 24 Holes of 12.7 mm Diameter or as selected
9. Timer : 1 to 60 min. (digital Type)
10. The system should be CE approved (Valid documentation should be submitted in technical bid).
11. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
12. On sight annual calibration and validation.
13. **Guarantee:** Two years on equipment from the date of installation.
14. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of two years.
15. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.
16. Installation will be done by supplier free of cost.

20

17. The service engineer should be based in Rajasthan.
18. Demonstration of equipment is must for final technical approval

(03) Amended Technical Specifications of item Fully Automated Deluxe Donor Couch :

1. It should have electrically operated functions operated by wire connected remote Control with single motor chair.
2. Arm rest should have swing out as well as up and down movement along with arm rest height adjustment.
3. It should be easily convertible in head down foot up position.
4. Should have lifting capacity at least 350 Lbs / 150 kgs. (donor weight).
5. The frame of the Recliner is constructed of High grade Steel duly epoxy powder-coated.
6. 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.
7. The Recliner is fitted on heavy duty maneuvering heavy duty Castors with brakes.
8. It should has a three sectional top duly covered with Elegant upholstered high density, max. Comfort Foam Padding.
9. To have attached or detachable tray& stands for keeping all blood collection associate accessories like - blood Collection Monitors Tray, BP. Apparatus Tray and Tray for other accessories and telescopic IV Stand.
10. The system should be CE approved (Valid documentation should be submitted in technical bid).
11. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
12. **Guarantee:** Three years on equipment from the date of installation.
13. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years.
14. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.
15. Installation will be done by supplier free of cost.
16. The service engineer should be based in Rajasthan.
17. Two Preventive Maintenance services annually during Guarantee and CMC period are essential.
18. Demonstration of equipment is must for final technical approval

(04) Amended Technical Specifications of item Horizontal Laminar Flow

1. Construction-fabricated from welded 16 gauge C.R. steel includes adjustable levelers.
2. Work surface: 304 stainless steel.
3. Finish: exterior surface feature a chip-resistant, powder-coated finish of approximately 6 mm thickness.
4. Front panel : Removable transparent scratch resistant sheet of approx. 6mm thickness.
5. Pre-filters: disposable fiber glass with Filtration efficiency of 98% for all types of particles of size 8 micron and larger.
6. HEPA filter: choice of HEPA (rated 99.97% efficient@ 0.3µm particles) or ULPA (rated 99.99% efficient@0.12µm particles)
7. Lighting: Fluorescent type with lux > 800 & UV light.
8. External size 1000 x 780 x 1920mm (W x D x H)
9. FFU airflow: 650 CFM (2" x 4"), 460 (2" x 3") of air at filter pressure drop from 0.35-0.795" W.G at 90 FPM.
10. On sight annual calibration and validation.
11. Installation commissioning and trial run will be the responsibility of the supplier.
12. Appropriate manometer to measure the pressure should be provided along the equipment.
13. The system should be CE approved (Valid documentation should be submitted in technical bid).
14. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
15. **Guarantee:** Two years on equipment from the date of installation.
16. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of two years.
17. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid .
18. Installation will be done by supplier free of cost.

2/2

19. The service engineer should be based in Rajasthan.
20. Four Preventive Maintenance services annually during Guarantee and CMC period are essential.
21. Demonstration of equipment is must for final technical approval

(05) Amended Technical Specifications of item Dielectric Tube Sealer, Handheld (Portable):

1. Handheld Blood Bag Tube Sealer is a compact handheld equipment to seal the Blood Bag pilot PVC tubing by transient radio frequency heating and sealing, with no haemolysis.
2. **Quality Standard:**
 - a) Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
 - b) Should be compliant with European CE with notified body number or US FDA (Valid documentation should be submitted in technical bid).
 - c) Equipment must meet electrical safety specifications of IEC 60601-1
3. **Operational requirements:**
 - a) Should gently seal tubing with no haemolysis, using radiofrequency heating
 - b) Should be capable of making wide seal of at least 2 mm width
 - c) Should be rechargeable battery operated compact (less than 3 Kg) hand held type, not bench top type.
 - d) Sealing time should not be >2 sec
 - e) Electrodes should be well protected by a cover to prevent blood splutter.
 - f) Sealing trigger should be automatic (on sensing tube in the slot).
 - g) Should have indicator lamp for sealing process
 - h) No warm up time should be required
 - i) Should have tear-seal feature to make segments that can be easily separated by hand
 - j) No. of seals per charge should be more than 1000 continuous seals from a fully charged battery.
 - k) Charger should be compatible with Input voltage: 240V 50 Hz Single phase AC
 - l) The NIMH Battery used fully Charge with 3 hour back up showing level indicator.
4. Transport Box and carry bag for using the device in camp and carrying in camp.
5. **Guarantee:** Two years on equipment from the date of installation.
6. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of two years.
7. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid .
8. Installation will be done by supplier free of cost.
9. The service engineer should be based in Rajasthan.
10. Four Preventive Maintenance services annually during Guarantee and CMC period are essential.
11. Demonstration of equipment is must for final technical approval.

(02) Revised bid schedule:-

II) E-bids are invited as per following revised time schedule:-

| Bid Submission Start | Last date & time for sale of bid form | Last date & time of receipt of bid form | Date & time of opening of technical bid |
|-------------------------------|---------------------------------------|---|---|
| <u>19.12.2015</u> 11.00 AM | <u>02.01.2016</u> 01.00 PM | <u>02.01.2016</u> 01.00 PM | <u>02.01.2016</u> 03.00 PM |

It is also clarified that information of award of contract shall be communicated to all participating bidders on the website www.rmssc.nic.in and sppp.raj.nic.in. Please note that individual bidder will not be intimated."

Note: Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-V, Schedule of Supply, Point no. 3) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same. This bears the approval of M.D., RMSCL, Jaipur.



Executive Director (EPM)
RMSCL, Jaipur