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No. F-8(11)RMSC/EPM/M-1/R.C.15-16/NIB-115/2015/2423

Dated: 18/12/15

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: - Revised Bid Schedule & Amended Technical Specifications of Bid document of items (01) Table Top Centrifuge 12 X 15ml Tubes (02) Digital Analytical Balance, Single Pan (03) Kit Storage Refrigerator 350 Ltr Capacity (04) -40 degree C Deep freezer (Cap. 300 Plasma Bags) (05) -80 degree C Deep freezer (Cap. 300 Plasma Bags) (06) Double Pan Balance, under NIB No. F-8(11) RMSC/EPM/M-1/R. C. 15-16/NIB-115/2015/1418 Dated: 28.09.15 , CLARIFICATION/CORRIGENDUM/ADDENDUM No. 1919/05.11.15 , 2103/26.11.15 & 2264/11.12.15.

In reference to subject cited above and NIB-115, 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) Table Top Centrifuge 12 X 15ml Tubes (02) Digital Analytical Balance, Single Pan (03) Kit Storage Refrigerator 350 Ltr Capacity (04) -40 degree C Deep freezer (Cap. 300 Plasma Bags) (05) -80 degree C Deep freezer (Cap. 300 Plasma Bags)(06) Double Pan Balance as below:-

(01) Amended Technical Specifications of item Centrifuge Machine Table Top (12 Tube×15ml)

1. Brushless Centrifuge Machine 1/8 H.P. Motor 220V. AC / DC Regulator.
2. Speed range 500 to 4500rpm on load. Which should be controlled by variable speed regulator.
3. It should be fitted with digital Timer 0-59 minutes and digital speed indicator.
4. The machine should be supplied with Angle rotor head having 12tubes of 15ml cap. It should be completed with S.S tube carrier, Rubber cushions, 12 graduated glass tubes of 15ml cap and should also be supplied with 12 graduated plastic tubes of 15ml. cap.
5. The lid should be double walled, made of ABS plastic injection molding for extra safety having lid lock. It should also be fitted with electronic lid lock which should not open when machine is in running condition. It should off when machine is off after running the cycle.
6. The Motor of machine should be fitted of anti vibration pads.
7. Supplied completed with instruction manual, cord and plug, dust cover, 12 spare rubber cushions, 2 spare fuse. Should be well packed in thermocol box.
8. Machine should be ISI/CE marked. (Valid documentation should be submitted in technical bid).
9. **Guarantee:** Two years on equipment from the date of installation.
10. **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.
11. 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.
12. Installation will be done by supplier free of cost.
13. The service engineer should be based in Rajasthan.
14. Two Preventive Maintenance services annually during Guarantee and CMC period are essential.
15. Demonstration of equipment is must for final technical approval

(02) Amended Technical Specifications of item Digital Electronic Analytical Balance (Single pan)

1. It should have single pan & should be of stainless steel.
2. It should have following features :-
 - Digital display with auto zero setting
 - Capacity: 200 grams , Readability: 0.001 gram , Linearity: +0.002 gram
 - Reproducibility: +0.001 gram, settling time: - 1.5 second to 3 second.
 - Percentage weighing, counting tar (0-200 grams) auto calibration with built in masses.
3. The balance should have graft shield.
4. It should work on 220-240 volts single phase, 50 Hz power supply.

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5. It should smoothly work on 0-400C in ambient condition.
6. Details of Model, complete technical specifications with leaflet should be submitted with offer.
7. Test certificates should be submitted at the time of inspection.
8. **Guarantee:** One years on equipment from the date of installation.
9. **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 one year.
10. 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.
11. Installation will be done by supplier free of cost.
12. The service engineer should be based in Rajasthan.
13. Demonstration of equipment is must for final technical approval

(03) Amended Technical Specifications of item Kit Storage Refrigerator (350 Liter Capacity)

1. It should be vertical storage refrigerator with 350ltr capacity with wheels for shifting the equipment.
2. Temperature range 4-8⁰C electro-mechanical temperature control, digital display of temperature
3. It should be made of galvanized sheet for exterior and interior ABS or Plastic body.
4. It should have 6-8 shelves made of plastic, coated mesh these should be adjustable
5. It should have eco-friendly refrigerant (R134A) with automated defrost system.
6. Door should be made of transparent dual glass and should be self closing and lockable.
7. External dimension should be in the range of W x D x H (approx. 28x22x78 inch.), 10 % deviation is acceptable.
8. There should be provision for locking, internal light adjustable feet.
9. It should work on power supply of 220volts; 50Hz, single phase.
10. It should be CE certified. (Valid documentation should be submitted in technical bid).
11. **Guarantee:** Two years on equipment from the date of installation.
12. **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 five years.
13. 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.
14. Installation will be done by supplier free of cost.
15. The service engineer should be based in Rajasthan.
16. Two Preventive Maintenance services annually during Guarantee and CMC period are essential.
17. Demonstration of equipment is must for final technical approval

(04) Amended Technical Specifications of item Blood Bank Plasma Freezer, -40°C

1. Purpose of Equipment

- a) To Freeze or store Plasma.
- b) Must be designed specifically for blood bank use. Commercial or modified commercial freezers for other purpose are not acceptable.

2. Type of Equipment

- a) Microprocessor controlled Temperature controlling. Digital LCD /LED display at eye Level.
- b) With audio alarm for temperature deviation, power failure, door open etc.
- c) Should have 24 hour battery backup for uninterrupted 24X7 electronic temperature circular chart recorder /Inkless graphic Temperature recorder with range of 0°C to -50°C with data logger with supply of free charts for a period of guaranty and controller unit keeps the temperature monitoring uninterrupted.
- d) Approved standard electrical Blood Bank plasma freezer that uses a compressor circulating CFC-free refrigerant / Green gas.
- e) Upright type

3. 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 or US FDA (Valid documentation should be submitted in technical bid).
- c) Equipment must meet electrical safety specifications of IEC 60601-1

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4. Capacity

- a) At least 300 standard plasma bags

5. Construction

- a) Outside C. R. (Corrosion Resistant) Sheet at least 1 mm thick
b) Inside stainless steel of at least 22 G.
c) Insulation polyurethane foam >80mm thick, foaming agent CFC free
d) Should be mounted on lockable caster wheels

6. Drawers

- a) At least four or more in number made up of SS 304 grade stainless steel

7. Door

- a) Separate inner doors to prevent cold loss
b) Automatic/Magnetic/ Latch closing of at least inner doors.
c) Heating device/ vacuum release valve in front to avoid condensation
d) Opening angle limited (eg <135°)
e) Door open/ajar audio and visual alarm
f) Door lock should be available

8. Electrical characteristics

- a) Compatible with Input 240V 50 Hz Single phase AC
b) 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).
c) Minimum compressor starting voltage should be 22% below normal voltage

9. Internal Temperature

- a) Should be able to maintain internal temperature not warmer than -30°C Audible / visual over temperature Alarm.
b) Whatever the load, setting accuracy less than or equal to 1°C
c) Automatic defrosting if present, temperature should not go outside safe range

10. External Ambient Temperature:

- a) 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

- a) 2 Hrs at ambient temp.

12. Cooling down time

- A full load of plasma packs at +25 °C takes a maximum of 5 hr for all packs to reach below -5°C.
- A full load of plasma packs at +25 °C takes a maximum 30 hrs for all packs to reach below - 20 °C

13. Additional requirements:

Complete with comprehensive set of spare parts and a suitable capacity stabilizer and one -1.5 Ton split A.C of reputed make should be supplied with the system free of cost. (Guarantee card with bill have to be submit with item to claim guarantee)

14. 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

15. Noise factor should not exceed 60 decibel.

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

17. **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.

18. 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.

19. **Installation will be done by supplier free of cost.**

20. The service engineer should be based in Rajasthan.

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

22. Demonstration of equipment is must for final technical approval

(05) Amended Technical Specifications of item Deep Freezer -80 Degree (Cap.300 plasma bags of 250 ml.)

1. The Deep Freezer should achieve low temperature of -80 degree C.
2. Should be heavy duty refrigeration system, maintenance free, with hermetically sealed refrigeration compressors reliable refrigeration with minimum noise & vibration.
3. Uninterrupted 24X7 Electronic temperature circular chart recorder/Integrated digital temperature

- cum controller with inbuilt 7 days inkless circular chart recorder with supply of Free charts for a period of guaranty and should be provision to connect with central (Temperature) monitoring system
4. 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
 5. Should have a chart range of -100 degree Celsius to +50 degree Celsius.
 6. Construction of double wall with efficient insulation to minimize temperature loss, inner chamber should be made of SS 304 grade non corrosive stainless steel & outer made of high quality C/R sheet.
 7. Suitable voltage stabilizer to be supplied with Equipment.
 8. Hold over time - 2 Hrs at ambient temp.
 9. External ambient temp. - Can perfectly maintain internal temperature as above at full load in an ambient temperature of +10 to at least +40 °C.
 10. **Cooling down time -**
 - A full load of plasma packs at +25 °C takes at least 5 hr for all packs to reach below -5°C
 - A full load of plasma packs at +25 °C takes maximum 30 hrs for all packs to reach below - 20 °C.
 11. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
 12. Should be compliant with European CE or US FDA (Valid documentation should be submitted in technical bid).
 13. The Deep Freezer should be vertical upright with a capacity to hold minimum 300 plasma bags of 250 ml.
 14. Should have eye level display of temperature
 15. Should have handle for opening the door.
 16. Should have audio alarms for the following: Temperature High/Low, Power Failure/ Battery low, door open.
 17. Should have battery back-up for monitoring of cabinet temperature for 8 hrs (for full charge) by sealed maintenance free battery.
 18. Should have at least 3 Height Adjustable trays (4 Compartments)
 19. Should have display of 3*7 Segment LED/LCD display of working status of equipment at eye level.
 20. Should have lockable heavy duty caster wheels.
 21. Should have stainless steel trays.
 22. Noise factor should not exceed 60 decibel.
 23. Should have Microprocessor based digital temperature controller.
 24. Should have high density polyurethane or equivalent gaskets.
 25. Should have 12.5 cm foamed in PUF insulation in exterior walls
 26. Should have triple rubber gasket sealing
 27. Should have hot line around the mouth of the cabinet which prevents condensate formation.
 28. Should have 4 stainless steel interior compartment doors with magnetic latches ensure storage and less cold air loss during opening and closing of the doors.
 29. Should have caster wheels as standard feature.
 30. Should have oil separator ensures proper oil returns to the compressor, which improves reliability certified.
 31. Should have temperature controller with 0.1 degree Celsius with battery backup.
 32. Should have rust free stainless steel door hinge makes the door open up to an angle of 135 degrees.
 33. Should have well located appropriate/proper ventilation facility which helps in better condensation process.
 34. Storage rack should be easily removable
 35. Rear clamps ensure the correct distance from walls, thereby ensuring good air circulation.
 36. Firm should supply one desk top computer (System should have i3 processor with latest operating system, HDD 1 TB, 4GB RAM, 17" screen) with laser printer with Split AC 1.5 Ton of repute make Free of cost with equipment. (Guarantee card with bills have to be submit with items to claim guarantee of these items)
 37. **Guarantee:** Three years on equipment from the date of installation.
 38. **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.

39. 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.
40. Installation will be done by supplier free of cost.
41. The service engineer should be based in Rajasthan.
42. Four Preventive Maintenance services during Guarantee and CMC period are essential.
43. Demonstration of equipment is must for final technical approval

(06) Amended Technical Specifications of item Double PAN Balance

1. 2 independent weight sensors & display weight differences range 0 to 2500 gms
2. Weight measurement range 0 to 2500 gms
3. Weight sensors
4. Accuracy: ± 2 gms
5. LED/LCD Display with facility after Equal balance and Pan wt. difference
6. Automatic "0" facility /Auto Calibration facility
7. Accessories like power adaptor
8. Accuracy - Wt. Calibration tolerance : ± 1 gm
- Total Accuracy of display : ± 0.1 gm
Power source-220-240 Ac 50Hz
9. Should have provision to convert weight to volume as per the specific gravity of all the blood components for the both Pan.
10. Double Pan balance should have transparent lid cover for protection when not in use.
11. The system should be CE approved (Valid documentation should be submitted in technical bid).
12. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).
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.
17. The service engineer should be based in Rajasthan.
18. Two Preventive Maintenance services annually during Guarantee and CMC period are essential.
19. Demonstration of equipment is must for final technical approval

(02) Revised bid schedule:-

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> 02.00 PM	<u>02.01.2016</u> 02.00 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, and 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