16.11.2017

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,

TENDER FOR FIXING RATE CONTRACT FOR SUPPLY AND INSTALLATION OF REFRIGERATED CENTRIFUGE AND APHERESIS UNIT TO DEPT. OF TRANSFUSION MEDICINE, GOVT. RAJAJI HOSPITAL, MADURAI UNDER PMSSY SCHEME

TENDER NO.167/BBK/PMSSY-GRHM/TNMSC/ENGG/2017, DT.01.08.2017

Corrigendum

a) The following corrigendum are issued:-

Sl. No.	**Tender document reference**	**Instead**	**Read as**
1	Page No.54 Section VI: Technical Specification 1. Specification for Refrigerated Centrifuge (Cryofuge)	9. Capacity – 6X2000ml to accommodate either 6X2000 ml bottles or 12 triple or quad bags of capacity 450 to 500ml blood.	9. Capacity – 6X2000ml to accommodate either 6X2000 ml bottles or **16 triple or quadruple Top and bottom** bags of capacity 450 to 500ml blood.
2	Page No.55 to 59 Section VI: Technical Specification 1. Specification for Apheresis Unit	Existing Text	Revised Text at **Annexure - I**

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

Sd/-

Tender Inviting Authority

ANNEXURE - I

2. SPECIFICATION FOR APHERESIS UNIT - REVISED

- Therapeutic Plasma Exchange, RBC exchange, stem cells collection (MNC), Granulocyte collection, Depletions, Bone Marrow Processing.
- Should have color coded disposables set for easy identification. Low extracorporeal volume not exceeding **185ml to 200ml**.
- Blood flow range 5ml-140ml per minute to access and return pressure sensors, built in.
- Manual override system.
- Blood flow monitor.
- In-line air detector.
- Integral blood filter.
- Anticoagulatn flow indicator.
- Collection volumke preset device.
- Visual audible alarm for procedure completion.
- Automatic standby mode for power failure.
- Power up self-check to include all critical safety and operational procedures.
- System should use CCD camera for TPE and MNC procedures in order to control interface precisely and monitor buffy coat thickness to reduce platelet loss.
- On screen real time image display of interface position to facilitate changes for optimal collection.
- Low MNC product volume.
- Built in tube sealer.
- Connectivity to printer for data interface.
- Built in storage facility for up to 100 procedures data. Tubing set identification with inbuilt barcode reader.
- System should have a bolus option and record the volume for fluid balance calculatio. System should be able to switch from dual needle to single needle procedure without the use of any extra accessory.

- System should be able to perform dual arm procedure so that the ECV remains low and constant for every patient. Systme should monitor buffy coat thickness and initiate platelet flush to reduce platelet loss.
- System should have alarm history.
- System hsould be able to display previous procedure summary data including trends on the screen.
- Tlescoping IV pole.
- Folding screen.
- Large durable wheels on pivoting casters.
- Advanced wheel pedal.
- Equipment software.

  Softwafe should provide parameters.

  - For accepted total blood volume calculation algorithm.
  - For accepted citrate reinfusion rate calculation algorithm.
  - For fixed upper limit citrate reinfusion.
  - For programmable upper limit total collection volume.
  - Must not exceed predetermined fluid reinfusion limits (eg. Citrate, saline)
  - For alarms and prevent use of incorrect set (incongruent) for programmed procedure.
  - Prevent procedure where predicted post-collection parameters falls outside programmable safety limits.
- Apheresis sets.

  Apheresis sets should have:

  - A closed system.
  - A visual system to minimize risk of transposition of fluid lines.
  - A microbial filter on 'spiked' lines.
  - A diversion line and pouch for sampling.
  - A measns fo preventing incorrect connections to the set for IV fluid (eg., saline) and anticoagulant.
  - Consideration should be given to the incorporation of a pouch on the final pack to facilitate bacterial contamination testing.

General conditions:

1. All Equipment should be USFDA/CE (European)/UL/DGCI approved for medical use.

2. Manufactures/Suppliers should have ISO certification for Quality Standards and must comply with good Automated Manufacturing practice (GAMP)
3. Electrical safety conforms to standards for electrical safety IEC-6060I or better-general requirements.
4. Certificate of calibration and inspection.
5. All consumables required for installation, standardization and smooth functioning of equipment for 3 months period should be given free of cost along with supplied Equipments(if any)