

कार्यालय महानिदेशक, चिकित्सा एवं स्वास्थ्य सेवायें, उत्तर प्रदेश, लखनऊ।

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संख्या:-८फ/क्यू०सी०-८४६/

लखनऊ: दिनांक: ०१/ मार्च, २०१७

संशोधित निविदा सूचना

महानिदेशालय के पत्र संख्या-८फ/क्यू०सी०-८४६/८२९८, दिनांक १४.१२.२०१६ द्वारा प्रदेश के ०८ जिला चिकित्सालयों में बी.सी.एस.यू. की स्थापना कराये जाने हेतु टर्न-की आधार पर उपकरणों के क्रय/स्थापना एवं क्रियाशील किये जाने के लिये निविदायें आमंत्रित गयी थीं।

उक्त निविदा के अंतर्गत निम्नलिखित उपकरणों के मानकों को निम्नवत् संशोधित किया जाता है :-

Reference of Bid Doc. QC-846	Existing Specification	Revised Specifications
1	2	3
Section -V Page No. 32	Refrigerator Centrifuge Floor Model for blood Components Specification from serial number 1 to 31 to be read as column number 3	<p align="center"><u>Refrigerated Centrifuge floor Model for Blood Components</u></p> <p>Clinical Purpose: Blood Bank Refrigerated floor Centrifuge is used for separation of blood components like packed cells, platelets rich plasma, platelets concentrate, Plasma, Cryoprecipitate & Buffy Coat.</p> <p>Technical Characteristics</p> <ol style="list-style-type: none"> Design: Stable, sturdy all steel design with stainless steel rotor chamber, easy to clean, corrosion resistant paintings & provision of both drain and condense water collection. Centrifugal Force (rcf): Minimum - 5,000Xg to maximum- 7,000Xg. Speed: Minimum ceiling- 4,000 rpm to 5,000 rpm Volume: Should be able to accommodate 12 (twelve) 350 ml or 450 ml, single/double/triple/quadruple/quintuple blood bags with SAGM bag and empty satellite bags with in Line filter system. Wind Shield Swinging bucket blood bank rotor is preferable. Drive unit: Maintenance free induction drive. Operation: (i) Should have 25-30 programming of all parameters. (ii) Should have touch screen operating controls to display run conditions. (iii) Should have adjustable timer with second adjustment or minimum of 30 minute for one run. Programs: Should have tamper proof programmable memory to store minimum 30 programs. Safety of operation: Lid-lock and interlock, imbalance display and cutout, steel-armored chamber, protection of overheating of rotor and compressor should conform with European CE/ US-FDA certification specific for the safety issues should be submitted. Protection of data: In event of power interruption or complete failure, data should remain stored for 2-3 weeks. Documentation: Should have software which should be compatible to connect to a computer with software upgradable to connect with hospital information system of respective Hospital and connection to different barcode tracer systems and Blood Bank software any interfacing required must be provided by the firm. User-friendly handling: The equipment should be movable on castor wheels however it should have facility to be placed on four solid feet. There should be no need for ground fixing. Digital display should have keys for controlling for immediate access. The machine should be equipped with and automatic lid lock. Digital Display and adjustment parameters should Include <ol style="list-style-type: none"> Acceleration : Different acceleration profiles Deceleration : Different deceleration profiles RCF value : 4 digit, should be adjustable Speed : 4digit, should be adjustable Centrifugal : Format should be as hour and minutes Programme number : Multiple programmes Temperature control : Adjustable in 1°C intervals Temp. range :-20° to +40°C Min. temp. at max. rcf: 4°C Error message: Programme error, imbalance, lid open or any other error. Speed variation: microprocessor controlled rotor speed to within 10 rpm of set value. (Certificate should be submitted by NABL calibration lab)



		<p>l. Temperature control Microprocessor controlled rotor temperature within 1°C of set temperature regardless of centrifuge speed.(Certificate should be submitted NABL calibration lab)</p> <p>13. Refrigerant: CFC-free</p> <p>14. Noise Level should be less than 58 dB</p> <p>15. Centrifuge must have technology of imbalance detection and indication system.</p> <p>16. Warm air Outlet: From sides and rear of the Machine.</p> <p>17. System should have maintenance tracking log.</p> <p>18. Electrical: The equipment should be able to run on single/ three phase, 220V, 50 Hz, 32 amps, that is on the existing electrical provision in Indian conditions.</p> <p>19. Should be supplied with following Standard Accessories:</p> <ol style="list-style-type: none"> Swing-out rotor with or without shield, should be able to accommodate twelve 350ml and 450ml single, double, triple, quadruple/quintuple blood bags with SAGM bag and empty satellite bags with In Line filter system. 6 buckets (one bucket for 2 blood bags) for centrifuging 12 units of bags. Removable Plastic inserts, for centrifuging twelve 350ml and 450ml single, double, triple, quadruple/quintuple blood bag system with SAGM bag and empty satellite bags with In Line filter system for preparing blood components like Red Blood Cells Plasma/FFP/Platelets concentrate and Cryoprecipitate. One extra set of above plastic inserts will have to be provided by the firm. Should be provided with Hook adapter to spin small volume of Cord Blood and Buffy coat. Firm will have to supply the servo voltage stabilizer capacity 10 KVA of reputed brand with the equipment. Operation and Maintenance manual should be provided in original. Firm will have to provide local application after sales support and proving onsite training as a must clearly mentioning the details of setup with full address, contact numbers and names of service engineers. <p>20. Quality Standard: European CE from notified body or US FDA.</p> <p>21. Safety Standards: EN 61010-1 3rd Edition, IEC 61010-2-020 2nd Edition & CDV 61010-2-020 3rd Edition IEC 61010-2-101 3rd Edition, EN 61326-1 Class B.</p> <p>22. Firm should supply the relevant calibration certificate for the equipment from NABL accredited Lab.</p> <p>23. User's list should be provided with satisfactory report for the last three years from three.</p> <p>24. Licensed Blood Banks with contact details.</p> <p>25. Original literature of equipment should be submitted.</p> <p>26. Demonstration of performance of equipment compulsory in nearby area failing to which will be disqualification.</p>
<p>Section -V Page No. 33&34</p>	<p>Deep Freezer -80 Deg C (For BSCU) full Specification to be read as column number 3</p>	<p style="text-align: center;">Deep Freezer -80°C</p> <p>Clinical Purpose : Deep Freezer -80° C is used to freeze and store plasma with vertical cabinet ultra low temperature range of -50°C to -86°C</p> <p>Technical Characteristics</p> <ol style="list-style-type: none"> Compression freezer with CFC free refrigerant. Stainless steel (min. 22g) (S.S. V2A-1.4301) Solid outer Corrosion Resistant (at least 1 mm thickness), CFC free insulation. Upright Type, 300 to 400 Lit capacity to accommodate at least 600 plasma bags of 200ml each. Door does not project at side when opened. The door should have minimum 100mm Polyurethane/Silicon insulation with heated glass ware. Insulation and gasket should be Polyurethane/Silicon insulation should be minimum of 80 mm. Drawers. Heating device on frame to avoid condensation. Electronic temperature control, Operating temperature reachable lowest up to -86 °C with setting accuracy of ±1°C whatever the load. Fan air cooling, Automatic defrost within safe temperature range, casing & door should have insulation panel with polyurethane/silicon >80mm thickness,. Refrigerant CFC Free/ Green gas. Heavy duty Hermetically sealed compressor air cooled cascaded refrigeration system, maintains inner temperature below -80°C, Refrigerant CFC free/Green gas. Performs in an ambient temperature of +10°C to +40°C. Hold over time: 2 hrs ambient temperature. A full load of plasma packs at +25°C takes a maximum of 5 hrs for all the packs to reach below -5°C. Digital temperature (LED) display with 0.1°C graduation temperature recording device. Capacity as required by the blood bank (e.g. 400 to 600 plasma bags of 200ml each) Noise (in dBA): Noise factor should not exceed 60 decibels. Power Requirements: Input voltage 220/240V 50 Hz, along with a line voltage corrector of appropriate rating.


 11/3/12

