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

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संख्याः–8फ / क्यू0सी0–869 /

लखनऊः दिनांकः 10 अप्रैल, 2017

संशोधित निविदा सूचना

महानिदेशालय पत्र संख्या–8फ / क्यू0सी0–869 / 11098, दिनांक 30 मार्च, 2017 अंतर्गत ब्लड स्टोरेज यूनिट हेतु उपकरणों की आपूर्ति / स्थापना कराये जाने हेतु निविदायें आमंत्रित की गयी थी।

उक्त निविदा के अंतर्गत निम्नलिखत उपकरणों के मानकों को निम्नवत् संशोधित किया जाता है :–

Reference of Bid Doc. QC-869	Existing Specification	Revised Specifications (to be read as)
1	*2*	*3*
Section - V *Page No. 38*	**8. Refrigerator Centrifuge (Floor Model Blood Component Separation Centrifuge) Specifications from 01 to 18 and Accessories: a, b and c and Certification: d, e and f**	**8. Refrigerated Centrifuge (Floor Model Blood Component Separation Centrifuge)** **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. Technical Characteristics 1. **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. 2. Centrifugal Force (rcf): Minimum - 5,000Xg to maximum- 7,000Xg. 3. **Speed:** Minimum ceiling- 4,000 rpm to 5,000 rpm 4. **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. 5. **Drive unit:** Maintenance free induction drive. 6. **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. 7. **Programs:** Should have tamper proof programmable memory to store minimum 30 programs. 8. **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. 9. **Protection of data**: In event of power interruption or complete failure, data should remain stored for 2-3 weeks. 10. **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. 11. **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. 12. **Digital Display and adjustment parameters should Include** a. Acceleration : Different acceleration profiles b. Deceleration : Different deceleration profiles c. RCF value : 4 digit, should be adjustable d. Speed : 4digit, should be adjustable e. Centrifugal : Format should be as hour and minutes f. Programme number : Multiple programmes

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		g. Temperature control : Adjustable in1°C intervals h. Temp. range :-20º to +40ºC i. Min. temp. at max. rcf : 4ºC j. Error message : Programme error, imbalance, lid open or any other error. k. Speed variation: microprocessor controlled rotor speed to within 10 rpm of set value. (Certificate should be submitted by NABL calibration lab) l. Temperature control Microprocessor controlled rotor temperature within 1°C of set temperature regardless of centrifuge speed.(Certificate should be submitted NABL calibration lab) 13.**Refrigerant:** CFC- free 14.Noise Level should be less than 58 dB 15.Centrifuge must have technology of imbalance detection and indication system. 16.Warm air Outlet: From sides and rear of the Machine. 17.System should have maintenance tracking log. 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. 19.**Should be supplied with following Standard Accessories:** a. 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. b. 6 buckets (one bucket for 2 blood bags) for centrifuging 12 units of bags. c. 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. d. Should be provided with Hook adapter to spin small volume of Cord Blood and Buffy coat. e. Firm will have to supply the servo voltage stabilizer capacity 10 KVA of reputed brand with the equipment. f. Operation and Maintenance manual should be provided in original. g. Firm will have to provide local application after sales support and proving on site training as a must clearly mentioning the details of setup with full address, contact numbers and names of service engineers. 20.**Quality Standard:** European CE from notified body or US FDA. 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. 22.Firm should supply the relevant calibration certificate for the equipment from NABL accredited Lab. 23.User's list should be provided with satisfactory report for the last three years from three. 24.Licensed Blood Banks with contact details. 25.Original literature of equipment should be submitted. 26.Demonstration of performance of equipment compulsory in nearby area failing to which will be disqualification.

निविदा के शेष नियम व शर्तें यथावत् रहेंगी।

अपर निदेशक (भण्डार)

पृष्ठांकन संख्याः–8फ / क्यू0सी0–869 / 149-51 तद्दिनांक।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :–

1. इं0 अवधेश रावत, एन.आई.सी. उ0प्र0 लखनऊ को इस आशय से प्रेषित कि निविदा की सूचना को वेबसाइट :– **www.dghealth.up.nic.in** एवं **www.uphealth.up.nic.in** पर अपलोड करने का कष्ट करें।
2. संयुक्त निदेशक (मुख्यालय), स्वास्थ्य भवन, लखनऊ / नोटिस बोर्ड पर चस्पा हेतु।
3. प्रभारी, कम्प्यूटर सेल, कार्यालय, प्रमुख सचिव, चिकित्सा स्वास्थ्य एवं परिवार कल्याण, उ0प्र0 शासन।

10/4/17

अपर निदेशक (भण्डार)