

TENDER NOTICE

No.M/11014/9/21/BB/

Dated: 11.03.2021

Subject: Purchase of the following Blood Bank items for IRCS (NHQ) Blood Bank – reg.

Sealed quotations are invited for purchase of the following items for IRCS (NHQ) Blood Bank at site Indian Red Cross Society Blood Bank, National Headquarters, 1- Red Cross Road, New Delhi -110001, kindly quote your rates for the same.

The sealed quotations, in the name of the Director, Blood Bank, Indian Red Cross Society, National Headquarters, 1-Red Cross Road, New Delhi-110001, should reach before 05.04.2021. Quotation should be marked "Quotation for the purchase of the (Name of the Items) on the envelope. Quotations shall be received only under sealed covers. Quotations received after due date shall not be considered.

Please send the sealed technical bid for the specifications of the items in one envelope and price bid in another envelope. Financial bids of only those vender/firms who are declared qualified for technical evaluation will be opened.

The Competent Authority has the right to reject or accept any or all quotations without assigning any reason whatsoever. Please send the sealed quotation with your lowest rates for the purchase of following items:-

1. Haemoglobin Cuvettes (30000 nos.) along-with four machine free of cost (supply in installment)
2. Puncher Proof Container = 800 nos. (Small 600, medium 100 & large 100 nos.) (supply in installment)
3. New Double distillation water plant (5 to 10 liters)
4. Bio Mixer Monitor & Collector = 6 nos.

Rates will valid for two years for items no.1 & 2

The specifications for the above items are given at **Annexure 'A'**.

Security money @10% of total value of the items will be deposited at the time of order letter and Security money will be released without interest after the completion service. No interest will be paid for security money.

1

Specifications – Finger prick, Point of care testing for Hemoglobin

Sl. No.	Name of Specification	Specifications
1	System	Hemoglobinometer
2	Method	Absorbance measurement of whole blood at Hb/HbO ₂ isobestic Point based on microcuvette technology or any better technology
3	Microcuvette	Should be made of polystyrene plastic either contain active ingredient or non active ingredient
4	Measuring Range	0-25.6g/dL
5	Measurement	Dual wavelengths of 500 – 520nm & 850 – 900nm for turbidity compensation.
6	Analyzer	Analyzer should be USFDA Certified / CE mark
7	Measuring Time	3seconds – 5 seconds
8	Correlation of Analyzer	Correlation of Analyzer with ICSH reference method with r-0.995
9	Sample Material	Capillary whole blood / Venous /arterial
10	Sample volume	3 -10 μ L
11	Calibration	The system should be factory calibrated and need no further calibration
12	Quality Control	Built – in self test liquid control should be available
13	Interface	RS232 (Printer, PC)
14	Working temperature	05 - 40°C
15	Storage Temperature	Cuvettes : 10-40°C, Analyzer: 0-50°C
16	Power	Battery operated
17	Power saver mode	When operating on battery power, the analyzer will automatically turn off after 5 minutes of no use.
18	Manufacture	Manufacture should have ISO 9001:2008 certification/TUV Certificate
19	Analyzer Complies	Analyzer complies with IVD Medical Device Directive 98/79EC
20	Quality Control reagent	All quality control reagents such as low, medium & high control supply free of cost periodically for daily quality control of equipment
21	Performance certificate	For earlier / recent executed purchase order of reputed, Government / Pvt. Hospital shall be furnished along with the offer.

22. Technical clearance will be based as precision of the Hemoglobin meter at the Demo site.

23. Selection will be based on final technical evaluation.

Handwritten signatures and dates:
- [Signature] 27/11
- [Signature] 28/11/21

2

Technical specification of Blood Bio Mixer / Monitor and Collector

Input voltage	: 100-250 vs C 50 /60 Hz
Electrical Safety	: Protection against electrical shock class 1 type b internal powered.
Operation	: Continuous operation should operate on mains as well as rechargeable battery on battery it should be operate for a minimum of 5-8 hours.
Power	: Suitable automatic voltage regulator /stabilizer meeting ISI specification should be supplied broad specification are automatic Type input 150-280 volt outup 220 volt +/- 7%, 50 Hz single phase AC with automatic 2-4 second cut off and 6-9 minutes restart delay.
Working Environment	: Temperature : 10°C to 40°C, Relative humidity : 32 - 75%, ATM pressure 700 to 1060 HPA.
Volume & Setting Ranges	: In steps of 5ml from 50 to 500 ml automatic storage and recall off set volume.
Alarm Indication	: LCD, LED indication and audible alarm when the flow rates goes below 20 ml p/m or above 180 ml p/m. LED, LCD indication and audible alarms when mains power fails. Overload indication, LED indication blinking with audible alarm when battery low. Automatic clamping band flow rates sustain in less than 20 ml p/m for more than 2 minutes.
Manufacturing Standard	: ISO 9001: 2008, EN ISO 13485:2012.
Standards and Approval	: CE Mark, EU RoHS
Medial Devise Calcification	: Class I
Continuation Agitation of Blood Bag during Collector	: 12-16 p/m
Calibration	: Automatic setting / manual setting. Certificate of calibration and inspection must be provided.
Safety	: Design should be meet to all international safety requirement of EN60601-1. Ensure safety against electrical shock hazards, fire hazards, mechanical hazards, elector maginitic interfrences etc.
Equipment Carry Case	: Should be provided by the company of stainless steel for portability.
Warranty	: Comprehensive on site warranty inclusive of all spares and labour for five years and five year CMC after warranty.
Performance certificate	: For earlier / recent executed purchase order of reputed government / private hospital shall be furnished along with the offer.
Consumable	: All consumable required for installation and standardization of equipment should be supplied free of cost with equipment.

Amaldeep
28/3/21

Amaldeep
28-3-21

BIO HAZARD

SPECIFICATIONS FOR SHARP/ PUNCHER PROOF CONTAINERS

1. Leak proof, tamper proof, puncture proof containers of virgin plastic quality.
2. Capacity 3 liters, 5 liters and 10 liters.
3. Non PVC container
4. Color Translucent
5. Cover of sharp container must have provisions for dropping/removing of blades, needles syringes with non removable needles etc.
6. **Multiple use** – Cover must be open able and having a sturdy lock system. Container must be complied with AN ISO 90001:2008 / CE.
7. A non washable and non-removable label with Bio-Hazard symbol in red color and word Bio-hazard should be prominently displayed.
8. A warning of filling level with a line also be marked on label. Label also carried a warning: **DO NOT TILT THE CONTAINER WHEN FULL.**
9. Performance Certificate for earlier / recent executed purchase order of reputed Government / Pvt. Hospital shall be furnished along with the offer.



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BIO - HAZARD

DO NOT TILT THE CONTAINER WHEN FULL.

Technical specification of Double Distillation Water Plant

(A)

Description of functions	:	Required for distilled water production for lab
Operational Requirements	:	<ol style="list-style-type: none">1. Double distillation plant with stand not wall mounted and approximately 5 to 10 litres p/h output.2. Instant distilled water flow should be there.3. Easy to operate, durable, safe for routine use.
Technical specification	:	<ol style="list-style-type: none">1. Quartz distiller, demountable boiler.2. Panel box and stand to accommodate regulator and electrical supply, clamps etc.3. Quality of distillate - pyrogen free, PH 6.9 – 7.0 high purity, low conductivity.4. Distilled water should be heavy metals, salts, pyrogen and iron free.5. Specific conductivity at 25 degree Celsius less than 0.4 multiply 10⁻² 65 / CM6. Equipment should be thermal shock proof7. Gas vent should be there to remove volatile impurities leaving the condensate free from gaseous impurities.8. Automatic low water cut off9. Tubing should be made of good quality rubber (heat resistant)10. Wiring of the equipment should be enclosed in case11. It should have the concentrator a bleeder device on the evaporation that constantly removes a part of the boiling water from its so that the cumulate concentration of non volatile impurities in the water is prevented.
System Configuration, Accessories, Spares And Consumable	:	Systems as specified. <ol style="list-style-type: none">a) The boil chamber and condensing coil should be high grade 304 stainless steal.b) All consumable required for installation and standardization of system to be given free of cost.c) Low temperature circulating water bath (Chiller)d) Working temperature – 10°C to 100°Ce) Temperature Accuracy +/- 0.1 °C
Environmental Factors	:	The unit should be capable of being stored continuously in ambient temperature of 0-50 degree Celsius and relative humidity of 15 - 90% the unit shall be capable of operating continuously in ambient temperature of 10 - 40 degree Celsius and relative humidity of 15 - 90%.
Power Supply	:	Power input to be 220-240 VAC, 50 Hz fitted with Indian plug. Voltage corrector / stabilizer of appropriate rating meeting ISI specification input 160-260 volt and output 220-240 volt and 50 hz.
Standard Safety and Training	:	Should be FDA/ CE/ UL BIS approved product. Should be compliant to ISO:13485:2012, quality system medical device particular requirement for the application for ISO: 9001 applicable to manufacturer and service provider that perform their own design activities.
Consumable	:	All consumable required for installation and standardization of equipment should be supplied free of cost with equipment.
Safety	:	Design should be meet to all international safety requirement of IEC 60601 or better – general requirement. Ensure safety against electrical shock hazards, fire hazards, mechanical hazards, elector magnetic interferences etc.
Warranty	:	Comprehensive on site warranty inclusive of all spares and labour for five years and five year CMC after warranty.
Performance certificate	:	For earlier / recent executed purchase order of reputed government / private hospital shall be furnished along with the offer.

R. S. Jeyaraj
8/3/21

Anand
8-3-21