

+ INDIAN RED CROSS SOCIETY **+**

DAKSHINA KANNADA DISTRICT BRANCH

(Constituted Under Act XV of 1920)

“Red Cross Bhavan”, D.C. Office Compound, Mangaluru - 575 001

Phone: 0824-2423755, 2950955

Email: ircsdkd@gmail.com

Website: redcrossdk.org

No. IRCS/BB-Purchase/10/2022-23

Date : 23.08.2022

: Tender Notification for Blood Bank Refrigerator:

Indian Red Cross Society, Blood Bank requires a refrigerator. Interested vendors can participate in the tender by dropping the closed envelop into the Tender Box kept in the Red Cross Office. On the envelope “Tender for Blood Bank Refrigerator” to be written in capital letters.

For details of tenders notification visit Website: redcrossdk.org

Technical specification of Blood Bank Refrigerator required :

1	Should have a chamber temperature range of 2°C to 6°C
2	Should comply IEC safety /EMI/EMC standards, ISO 9001 ,ISO 13485 certified and CE marked with Class II a.
3	Should have a total storage capacity of 360 nos of 450ml blood bags
4	Should have a corrosion free Interior of SS 304 grade which helps in easy cleaning
5	Should have a 18 swg CRCA/HDGI Sheet - powder coated
6	Should have built in microcontroller based temperature recorder and controller unit (TRCU) positioned at eye level for better visibility and monitoring
7	Must have six inch, 7-day, ink-less pressure sensitive circular chart recorder and accuracy should be +/- 1degree celsius
8	Should have triple pane glass door which insulates the refrigerator from atmospheric temperature and better visibility of blood bags with key lock.
9	Must have an internal evaporator fan for uniform temperature maintenance inside the chamber. It should switch off automatically whenever the door is opened
10	Should have perforated sliding Stainless steel tray which allows bags to be placed upright with sufficient air space to reduce " Sardine effect"
11	Should have 5 stainless steel slide out trays. Trays fitted with acrylic panel
12	Should have separate inner acrylic door with magnetic latch ensures minimal loss of cooling
13	Should have hotline around the mouth of cabinet to prevent moisture condensation
14	Should have internal stabilizer which ensures steady supply voltage for the whole blood storage cabinet and prevents voltage fluctuations
15	Should have a factory calibrated encapsulated digital sensor dipped in liquid medium to measure temperature at an accuracy of $\pm 0.5^{\circ}\text{C}$
16	Should have flicker free CFL lamp for uniform lighting and better visibility of samples inside the cabinet
17	Should include caster wheels as a standard feature
18	Should have refrigeration system “On” indicator provided as a standard feature
19	Should have audible and visual high and low temperature alarms as a standard feature
20	Should have Inbuilt Data Logger and negative temperature protection system
21	Should have an alarm silence button
22	Should have a power fail alarm as a standard feature

23	Must incorporate a inbuilt battery backup of 2 hours to ensure continuous operation of the TRCU during power failure
24	Should have display of 4*7 Segment LED with 0.5°C display resolution
25	Must utilize non-CFC, commercially available refrigerant
26	Must keep the refrigerator free of frost without elevating the chamber temperature
27	Must have a cabinet with powder coated finish to guard against rust and corrosion
28	There must be eye level indications of power/Line in from inbuilt stabilizer
29	Chart change and Chart set options in TRCU must be available
30	Must have MCB protection in the input power line.

Last date and time : 05.09.2022, Monday before 3.30 PM
Time of opening Tender : 4.00 PM

Interested tenderers may be present.

Conditions :-

1. GST should be separately shown.
2. To be delivered to Blood Bank located in the Govt. Lady Goschen Hospital, Mangalore within 15 days.
3. Payment will be made after certification of the Medical Officer.
4. Final decision regarding selection of Blood Bank refrigerator vendor lies with the Indian Red Cross Society, D.K District Branch.



Hon. Secretary

**Secretary
INDIAN RED CROSS SOCIETY
Dakshina Kannada Dist. Branch
Mangaluru**