

ANNEX 1

Specifications

Blood and Fluid Warmer:

Req. Quantity **1 NOS**

Description:

- Should be able to warm fluid/blood to a temperature range of 37- 40-degree C.
- Should be able to maintain or warm fluid/blood at a flow rate of 2.5 L/min.
- Should have a digital temperature display of fluid.
- Should have inbuilt water tank/ dry in line heating system to warm the infused fluid/blood.
- Should have a warm water column or heated sleeve up to the patient end to maintain the temperature up to the point of entry into the vein.
- Alarms for disconnections, less water and over temperature.
- At least 350 disposable tubing sets for fluid/blood along with unit.
- Should be useful for both in adult and Pediatric patients.
- Intended for use in operation theatre and ICU to deliver normothermic and warm
- blood and fluids at a very high infusion rate
- Fast flow fluid infusion system
- Fluid warming integrated
- Air detection system integrated- ultrasonic air detection technology preferable
- Automatic stoppage of flow when air is detected
- Minimum 500 ml/minute flow
- Rigid pressure chambers should accommodate standard blood and crystalloid bag (one liter bag optional)
- Providing a constant pressure for rapid infusion
- On/Off toggle switch to pressurize chambers quickly and easily
- Dual bag connection facility
- Pole mounting facility/wheel facility
- Touch buttons for control

Operational Requirements:

- The Blood Warming and Infusion Set should be user friendly, safe to use
- Demonstration of the equipment is a must.

Standards and Power Requirements:

- USFDA, CE and or ISO certifications or relevant standards certification

Additional Remarks or Requirements:

- Complete product details to be enclosed with the original brochure or catalogue (Soft or hard copy).
- Details of the standard accessories, additional accessories, optional items, consumables and minimum supplies to be stated clearly.

