

Annexure A

No. E/C-IHBT/RIMS-14

Imphal, 5<sup>th</sup> Jan 2016.

**Item no.1:- Digital Blood Shaker/ Monitor**

Digital Blood Shaker/ Monitor

(Blood mixer & collector)

Specifications: a) (For Phlebotomy room)

7 nos.

- i) Battery & Mains,
- ii) Display - start & Finish
- iii) Accuracy within 2% (12 gms) for standard collection
- iv) Audio & visual alert ml or gm mode with full or partial bag

Specification:-

b) For mobile use/outdoor camp)

3 nos.

Battery operated chargeable,

- i) Programmable volume to be extracted
- ii) Manual & automatic tubing obturation clamp
- iii) Visual & audible alarms
- iv) Control & alarm of high/low flow and record of donation (500 donors)

**Item no. 2:- a) Blood Tube Sealer (Heavy Duty)**

6 nos.

Sl No.		
i.	Power supply	100-240 VAC
ii.	Input frequency	50/60 Hz
iii.	Operation	Continuous
iv.	RF Output power (effective)	20W
v.	RF output frequency	40.68 Mhz
vi.	Indication	Power Heal
vii.	Seals/hour	800 seals
viii.	Tube detection	Automatic
ix.	Maximum diameter of the tube that can be sealed	6 mm
x.	Sealing time	1-3 sec : adjustable
xi.	Dimension in mm ( w x d x h)	152 x 275 x 145
xii.	Weight	6.2 kg
xiii.	Working environment	Temperature : 5 <sup>o</sup> to 4 <sup>o</sup> C Relative Humidity : 30 to 75% Atm Pressure : 700 to 1060hPa
xiv.	Power consumption	Operating: 170 W Stand by : 20 W
xv.	Fuse	250 V, 3A

**b) Blood Tube Sealer (Portable)****3 nos.**

- i. Certified for patient connected use
- ii. Compact and lightweight for ease of mobility
- iii. Hand held sealing head is comfortable and easy to use
- iv. 1500 seals per fully charged battery pack
- v. Recharge in just two hours
- vi. Patented SMART electronics automatically adjust for different sized tubing
- vii. Tear seal feature makes segment that can be separated by hand.

**Item no. 3:- Elisa Reader.****2 nos.**

Sl No.	Technical Specifications	Technical Specifications
i.	Microplates	96 well
ii.	Read types	Endpoint, kinetic and blank pattern
iii.	Asorbance measurement range	0.001 to 3.3000D
iv.	Wavelength measurement range	400 – 750 nm
v.	Accuracy of wavelength	+/- 2 nm
vi.	Scanning speed	< 30 sec
vii.	Ambient temp	18° C to 40°C



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