SPECIFICATIONS FOR ON LINE BLOOD CELL SEPARATOR
(APHERESIS MACHINE)

1. Fully automated microprocessor controlled continuous flow Cell Separator with user friendly touch screen operation.

2. Should be a donor & operator friendly unit.

3. Should have single arm procedure for all protocols.

4. Mobile, easily transportable to patient site for therapeutic uses.

5. It should operate on battery back up (UPS) and should also operate at least two hours on a commercially available one KVA UPS.

6. It should have a high yield leuco-depleted platelet collection from a single donor with minimal plasma and should have capability of collecting $3 \times 10^{11}$ or more platelets from a single donor within 60 minutes using a single arm / double arm procedure.

7. On entering the patient data and procedure characteristic, system automatically set run parameters with predicted run results and should decide yield based on the post HCT, Platelet count and percentage of blood volume to be depleted from donor.

8. It should collect platelet in a pre suspended form.

9. It should have self loading pumps to simplify and speed up apheresis kit installation.

10. It should allow collection of up- to two units of leucodepleted RBC concentrated, Both Autologous and Homologous Red Blood Cells and Leuco-depleted platelets.

SPECIFICATIONS FOR ECG MACHINE

- Twelve channel
- Electricity & Battery Operated
- Auto and manual profiles
• Defibrillation protection
• Pacemaker Detection
• Loose lead indicator
• Digital filters

SPECIFICATIONS FOR HAEMODIALYSIS MACHINE

➢ Fully automatic, color touch screen operation with acetate/Bicarbonate operation
➢ Volumetric ultra filtration device
➢ Syringe pump
➢ Battery back-up
➢ Hot rinse option
➢ CVT attached
➢ Automatic blood pressure monitoring
➢ The machine should be user friendly, rough and tough and easy to maintain.

SPECIFICATIONS FOR ETHYLENE OXIDE STERILIZER

➢ Size 2-4 Cu ft (56-113 liters) capacity, table top model
➢ Double jacketed, corrosion and gas resistant body
➢ Door with radial locking arrangement for seal proof condition
➢ Safe and easy handling