SHRI SAIBABA HOSPITAL, SHIRDI

ANNEXURE "A"

Technical Specification of Syringe Pump for ICCU of our

Shri Sainath Hospital.

Sr.	Description	Qty.	Rate Per in Rs.	
No.			(Incl. of all Taxes	Total Amt. in Rs.

- Graphic LCD display for Running Mode message display ,Syringe Type/Size, Delivery Rate, Infused Volume, Mains/Battery Operation, Real time pressure curve to detect occlusion of venous line, Remaining battery time
- Syringe type- 5ml,10ml,20ml,30ml,50ml/60ml and setting for all type syringe brands
- Syringe Loading Technique: Front Bottom loading technique
- Flow Rate Range- Min 0.01ml/Hr. to 200ml/Hr. or more
- Accuracy-Driver accuracy +/- 2 %
- Infusion Modes: Rate Mode, Time Mode, Body Weight Mode, Night Mode
- Rapid Mode for Purge or Bolus- 1-1200 ml/Hr. (User Selectable)
- Volume infused Pre-selection- 1 to 999.9 ml in 0.1 ml increments.
- Occlusion Detection- 3 Selectable Occlusion pressure limit for different therapy up to 1.2 bar
- Alarms -(Audiable & visible alarms): Occlusion Pressure alarm, Syringe Empty & Volume infused alarm, Internal Malfunction, Battery Charge Low, Syringe Disengaged & Incorrectly place alarm
- Classification: Type CF protected against defibrillation, Protection class II & (IP 22) Splash Proof and EMC EN60601-1 or better
- Battery: Ni-Cd rechargeable battery with back-up time of min 10
- **Power supply**: 170-250 V, 50/60 HZ
- Weight: less than 2 Kg
- Additional Features:

History of infusion data, operational alarms and device alarms must be available Up gradable to Fluid management system

In-built maintenance counter

Automatic bolus reduction system to avoid accidental bolus delivery after occlusion incident

Vertical Stacking of 3 pumps together, for clearly structured fixation, must be possible with locking mechanism for optimum space management

Option for RS-232 Connection for PDMS

Option for ambulance power supply connection

- After selection of parameter key pad locking available for security purpose with option to keep it off. Have facility to set time duration for enabling keypad locking
- Operators should be given training for its regular use & maintenance training should be given to

Biomedical Engineer free of cost.

- All Technology should be mandatorily with safety approval- FDA / UL & CE for Device Safety approval. Approval certificate must be submitted for the total unit.
- The product should be time tested, branded and should be OEM
- The life of the equipment should be mentioned
- Warranty- 1 Year. It Should include PMS visits-4 Nos. and unlimited Breakdown call and calibration whenever necessary.
- AMC/CMC Cost- AMC/CMC cost should be including Taxes. It should be fixed for next 5 years.
- Cost of Consumables to be fixed for warranty period.

Medical Director
& Civil Surgeon
Shri Saibaba Sansthan Trust's

Hospital, Shirdi