

# 1. TECHNICAL SPECIFICATION

## Schedule - I

### FEEDING PUMP

- **General**

1. “SMART” technology with MISTIC (Magnetic Intelligent Set Type Identification Connector) Identification System to ensure match between the pump’s user interface and pump set type
2. Automatic Anti-Free-Flow System Audible alarm to indicate errors on pump set loading conditions
3. Occlusion alarm
4. Attitude-independent design eliminates need for drip chamber on pump set
5. Sensor technology detects both upstream and downstream flow conditions
6. Continuous feed, intermittent feed and flush capability
7. Auto-prime feature reduces the need for time-consuming, manual priming
8. Hold feature with restart and Keep Tube Open (KTO) feature
9. Stores previous 72 hours of feeding and flushing history
10. Intuitive user interface
11. Large, backlit LCD display
12. Step-by-step prompts to guide programming and operation
13. “Stoplight” LED array visually indicates pump status in a bright or darkened room
14. Serial I/O port for data retrieval
15. Delivery range
  - i) Feeding Formula Delivery Rate: 1-400 mL/hr in 1 mL increments
  - ii) Feeding Formula VTBD: 1-3000 mL in 1 mL increments
  - iii) Bolus Volume: 1-3000 mL in 1 mL increments
  - iv) Number of Boluses: 1-99
  - v) Bolus Interval: 1-24 hours in 1-hour increments
  - vi) Flushing Solution Dose Range: 10-500 mL in 1 mL increments
  - vii) Flushing Solution Interval Range: 1-24 hr in 1 hr increments
  - viii) Accuracy:  $\pm 10\%$  or 0.5 mL/hr, whichever is larger
  - ix) Occlusion Pressure: 15 psi (103 kPa) Nominal

- **Environmental**

16. Should be functional with an ambient temperature of 100C to 400C and humidity of 15 – 90%.

17. Shall meet bio-safety standardization protocol.

18. Uses replaceable, rechargeable NiMH Battery Pack for 15 hours of backup power

- **Power & back-up**

19. Input of 220-240V/50Hz with Indian plug.

1. At least 1hr back-up.

- **Post sell service and warranty**

20. Must have local service centre.

21. Post sell training is mandatory.

22. Must comply with standard post sell servicing policy of Govt of West Bengal.

23. The equipment should be CE(EU) 4 digit / USFDA certification