A. SPECIFICATIONS FOR MULTI-PARAMETER MONITOR WITH CAPNOMETER

1 Description of Function
1.1 Monitor is required to monitor vital parameters of patients.

2 Operational Requirements
2.1 Monitor should be portable and lightweight and should monitor vital parameters of patients.
2.2 Capability of storage of patient data and printing of patient reports.

3 Technical Specifications
3.1 Portable and Light weight preferably <10kg
3.2 12 inch multi color TFT display
3.3 Monitoring parameters: - ECG, respiration, NIBP, SaO2, capnometry and temperature
3.4 Digital and 4 waves / traces display
3.5 Monitor should have audible and visual alarms capability. Alarms should have three distinct audible alarm tones to distinguish alarm levels. Also monitor should permit automatic viewing of alarming parameter waveform and numeric from any bedside in alarm as and when connected in a network.
3.6 Trends should be automatically stored for at least 24 hours in at least one-minute intervals.
3.7 Numeric monitored data trend shall be viewable and recordable in a patient chart type format in at least 1, 5, 15, 60 minutes intervals.
3.8 Convenient handle for carrying the same
3.9 Able to fix with bed/trolley.

4 System Configuration Accessories, spares and consumables
4.1 Portable/Transport Monitor-01
4.2 Patient cables (5 lead) –01
4.3 Neonatal Cuff – 01
4.4 Paediatric Cuff –01
4.5 Neonatal Probe SPO2 –02
4.6 Paediatric Probe SPO2 –02
4.7 Skin Temp Probe –02
4.8 Dual channel recorder –01
4.9 Paper Recorder- 100 cases.

5 Environmental factors
5.1 The unit shall be capable of operating continuously in ambient temperature of 10 -400 C and relative humidity of 15-90%.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%.
5.3 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Resettable over current breaker shall be fitted for protection
6.3 Suitable UPS with maintenance free batteries for minimum one hour back up should be supplied with the system.

7 Standards, Safety and Training
7.1 Should be FDA or CE approved or ISI marked product
7.2 Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring

8 Documentation
8.1 User Manual in English
8.2 Service manual in English
8.3 List of important spare parts and accessories with their part number and costing.
8.4 Certificate of Calibration and inspection from the factory
8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.
The job description of the hospital technician and company service engineer should be clearly spelt out
8.6 List of Equipment’s available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.