



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

Swasthya Sathi

GN-29, Salt Lake, Sector-V

Kolkata-700091

Phone No (033) 40340307/320

E mail: procurement@wbmsc.gov.in

Supply and Commissioning of Holter Machine for Department of Geriatric Medicine at Medical College & Hospital, Kolkata
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-481/2023

Dated-14.08.2023

Amendment-I

Revised Technical Specification

Holter Machine

1. Overall

- CPU: 16 bit single chip
- SRAM: 512 K Bytes
- LCD Resolution: 112 dot x 72 dot (graphics)
- Recording time: Continuous 24 hours or more
- Internal Clock: RTC
- Backup battery: Lithium battery

Service life six (6) years or more

- Patient EVENT recording: EVENT switch

Records up to twelve (12) times 1 min

- Recording media: Multimedia card (MMC-64)

2. ECG signal recording unit

- Number of recording channels: hi-polar 2/3 channels, unipolar 2/3 channel
- Input impedance: 10 MO or more
- CMRR: 60 dB or more
- Gain ratio: 300x (AID input)
 : 300x (Monitor output)
- Frequency response : 0.05/0.67----40ijz
- Monitor output : 300mV/lmV
- Quantifying bit number : 10 bits
- Sampling frequency: 125 Hz
- Dynamic range:±5.00mV
- Minimum resolution: ±9.76J1V

3. Pacemaker pulse detection

- Detection channel: given 1 channel
- Acceleration sensor: 3 axial directions (static position information detection)
- Switches: 2 units (EVENT, [ON@ENTER](#))
- Buzzer: 1 unit (separate excitation)
- Power supply: one AAA battery
- Dimensions (WxHxD mm): 65x62x18
- Weight (g): 78g (incl. battery and multimedia card)

4. Multimedia Card

- Memory capacity: 128 M Byte
- Interface: MMC System Standard
- Dimensions (W X D X H mm): 24X 1.4X32
- Weight (g): 1.5g
- Backup battery: Not required
- Card type: MMC System Standard
- Service life (Electrical): Rewritable 100,000 times (Approx. 247 years / Everyday use)

- (Mechanical): Endures Load/Eject 10,000 times (Approx. 7 years/ 4- Load/Eject a day)
- Error Rate: 52.8FIT
- Mean Time Between Failures (MTBF): 18,914,171 hours
- Vibration-resistance (Operating): 15 Gpp (MAX)
- (Non-operating): 15 Gpp (MAX)
- Shock resistance (Operating): 500G (MAX)
- (Non operating): 500G (MAX)
- Acceptable card: Fukuda Denshi encoded. Commercially Produced multimedia cards are not usable

5. Environmental conditions

I. Operating environments

- Temperature
- Relative humidity: 30.85% (No condensation)

II. Storage environments

- Temperature
- Relative humidity: 10-95% (No condensation)

6. The equipment should be European CE (4 digit notified body) / USFDA / BIS approved