Sealed Quotations are invited from manufacturers or their authorized dealers for the following items on the terms and conditions mentioned below: Quotations should reach this office on or before 21st December P.M. 3:00 P.M.

1. **Apnea Link**

**Specification:**

**System Requirements**

**Software**
- Microsoft Windows XP
- Microsoft Windows Vista (32 bit and 64 bit versions)
- Microsoft Windows 7 (32 bit and 64 bit versions)
- Microsoft Windows 8 (32 bit and 64 bit versions)
- Adobe Reader version 8.0 and higher

**Device, Pulse Oximeter and effort Sensor**
- Signal recording Respiratory flow
- Respiratory effort
- Blood Oxygen Saturation
- Pulse
- Battery Voltage
- Sampling rates for the Channels
- Respiratory flow: 100 Hz
- Respiratory effort: 10 Hz
- Blood Oxygen saturation (SpO2): 1 Hz
- Pulse: 1 Hz
- Battery: 1 Hz
- Recording time 4x12 hours
- Power supply two NiMH rechargeable (Micro AAA/LR03/1.2V/min. 1000 mAh) or Two batteries (Micro/AAA/LR03/1.5 V/min. 1000 mAh)
- Weight Recorder: Approx. 2.4 oz (66g) without rechargeable batteries or batteries
- Pulse Oximeter: approx.1 oz (30g)
- Environmental conditions operating temperature: 41\(^\circ\) F to 104\(^\circ\) F (5\(^\circ\) C to 40\(^\circ\) C)
- Operating humidity: 10% to 90% non-condensing
- Storage and transport temperature: 13\(^\circ\) F to 158\(^\circ\) F (-25\(^\circ\) C to 70\(^\circ\) C)
- Storage and transport humidity: 10% to 95% non-condensing
- Operating air pressure: 700hPa to 1,060hPa
- Displayed range pressure sensor (nasal canula): -6hPa to +6hPa
- Pressure Sensor (respiratory effort): -6hPa to +6hPa
- SpO2: 0% to 100%

**Hardware**
- Intel Core 2 processor or similar
- 512 MB RAM
- USB high speed port
- CD-ROM drive
- Screen resolution 800x600 pixel, high color (16 bit)
- Pulse: 18 to 321 bpm
- Accuracy (no movement) SpO2 Range: 70% to 100%: +/-2
- digit for use with Oximeter finger sensor800AA
- +/-3 digits for use with Oximeter finger sensor 8000 J and 7000A
- Pulse (Range: 18 to 300bpm): +/- digits for use with all specified Oximeter finger sensors interfaces
- Nasal Cannula: Female Luer connection
- Pulse oximeter: 3-Pin Binder plug
- USB connection: Highspeed USB 2.0
- Respiratory effort: Male Luer connection
- Dimnension Recorder(lengthxwidthxheight)2.4"x4"x1.2" (62x102x30mm)
- Pulse oximeter (length x width x height)2.1"x0.8"x0.6" (53x20x15mm) Electromagnetic Compatibility

2. **CPAP (For titration)**

**Specification:**
- CPAP Mode
- Pressure range (cmH2O)/increments
- Ramp (mins)/increments
- Start CPAP (cmH2O)/increments
- Pressure relief levels
- Pressure relief rise/fall (eg Inhale)

**User Interface**
- Touch Screen
- Color Screen
- Jog wheel/dial
- Power on/off key
- Wave forms/curves

**Device specifications**
- Dimensions P"xW"xH (mm) (Device only)
- Max. Op. Temp (C)
- Maximum (total) flow at xx (20) cmH2O
- Power Supply input range (Volts)
- Weight kg (Device only)
- Weight kg (Device with Humidifier)

**Monitoring menu**
- Alarms
- Displayed Parameters
- Reminders
- Call (increments)
- Card (increments)
- Customs (increments)
- Filter (increments)
- Mask (increments)
- Recurrency (increments)
- Service (increments)

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3. Spirometer
Specifications:

- Dimension of hand held sensor: 16x3x7cm
- Weight: 155gms
- Cable Length: 1.8m
- Measuring accuracy: volume +/-2% or 0.0501 Flow +/-2% or 0.0201 PEFR +/-5% or 50/min
- Resolution: volume >= 1ml flow 4ml/s
- Measuring range: volume +/-.12 l flow +/- 16 l/s
- Resistance: approx 0.3 cm H2O/l/s

Essential Features:
- PC guided spirometry
- Bio Calibration Check feature
- Ready to use GDT interfacing possibility
- In-and expiratory real time curve
- Test Selection with or without tidal breathing
- Pre/Post measurements
- Quick Test
- Children incentive
- Trending
- Actualized Fletcher Curve on report
- Country specific predicted values selectable
- Interpretation mode selectable
- Lung age
- Auto QC
- Ethnic correction factors
- Multilingual

Terms and Conditions

1. Rate and Tax detail MUST BE clearly mentioned in the quotation
2. Only typed quotations /tender bearing Sales Tax & Tin No on original letter will be entertained.
3. Cutting /Over writing on quotations /tenders will not be accepted.
4. The firm must be registered supplier in any Govt./Semi Govt. or in A.M.U. Aligarh.
5. List of users for the quoted item with contact no. should provided, Photocopy of purchase order along with terms and conditions of contract received from any Govt/Public Sector Institution in last 3years for supply of offered equipment must be enclosed with the price bid.
6. Installation and commissioning will be the responsibility of the supplier.
7. After sale service should be provided.
8. The instruments should be rust proof, made from surgical grade stainless steel and should be FDA or CE, UL or BIS approved product.
9. The equipment/instruments might be called for demo, and approval. It is sole discretion of the department to approve or disapprove the quality.
10. User/Technical/Maintenance manuals to be supplied in English.
12. The job description of the hospital technician and company service engineers should be clearly spelt out.
13. Comprehensive on site warranty 03 years