



**SOCIETY FOR TRIPURA MEDICAL COLLEGE &  
Dr. B R AMBEDKAR MEMORIAL TEACHING HOSPITAL**  
(Registered under Societies Registration Act, 1860 having Registration No.5770 of 2009)  
Hapania, West Tripura

No. F.5 (PUR-93)/SFTMC/NIT/2026/Paediatrics/ 229

29-04-2026

**Tender Notice**

Sealed quotations are invited from the interested and bonafide suppliers to supply the following equipments for use in TMC& Dr. BRAM Teaching Hospital.

**For Paediatric Department:**

|                                                               |        |
|---------------------------------------------------------------|--------|
| 1. samsung HM 70 EVO Ultrasound system                        | 01 Qty |
| 2. Schiller GraphNet Neo Ventilator                           | 01 Qty |
| 3. Neopuff T- Piece resuscitator-900 Series                   | 02 Qty |
| 4. Fisher & Paykel Bubble CPAP System with MR950 Humidifier   | 03 Qty |
| 5. Resuscitator Kit for infants (Silicon):                    |        |
| a. Silicon AMBU Bag 240-300 ml with neonatal mask             | 02 Qty |
| b. Silicon AMBU Bag 450-500 ml with neonatal mask             | 02 Qty |
| c. Silicon AMBU Bag 500-750 ml with neonatal mask             | 02 Qty |
| 6. NIBP Neonatal cuff                                         |        |
| a. Size 1(Neonate 1) 3 - 6 cm                                 | 04 Qty |
| b. Size 2(Neonate 2) 4 - 8 cm                                 | 04 Qty |
| c. Size 3(Neonate 3) 6 - 11 cm                                | 04 Qty |
| 7. NIBP Paediatric cuff<br>(Size 4(Infant standard) 8 - 15 cm | 04 Qty |
| 8. Epson CO-FH02 Smart Full HD Projector                      | 01 Qty |
| 9. Pull down retractable projector screen                     | 01 Qty |

**For Blood Bank**

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| 1. Blood Bank Refrigerator<br>Model : BR360 Mfg: Termo Penpol private Ltd | 01 Qty |
| 2. Portable Sealer LM 100E<br>Mfg: Termo Penpol private Ltd               | 01 Qty |

The sealed quotations will be received in the office of the General Manager(HR) up to 3.00 PM ~~24~~ 25 th May 2026. For detailed specifications, the interested firms may contact purchase section of the Society. They may also visit our website [www.tripuramedicalcollege.ac.in](http://www.tripuramedicalcollege.ac.in) for detailed specifications.

**Terms & Conditions**

- 1 The bidder shall submit copies of valid Trade License and GST Registration Certificate along with the sealed tender.
- 2 The basic price and applicable taxes must be clearly indicated against each item, both in words and figures. All rates shall be quoted in Indian Rupees (INR) only.
- 3 The quoted rates shall be inclusive of door delivery, installation, and demonstration, wherever applicable.
- 4 The bidder must clearly specify the delivery period for the supplied items.
- 5 No price escalation shall be entertained after approval of the rates. The approved rates shall remain valid for a period of two (02) years.
- 6 The Society reserves the right to accept or reject any or all tenders, including the lowest quotation, without assigning any reason thereof.

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29/4/26



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- 7 Payment shall be made only after satisfactory delivery, installation (if applicable), and certification by the competent authority. No advance payment shall be entertained.
- 8 In case of delay in delivery beyond the stipulated period, a penalty may be imposed as per applicable rules, unless the delay is justified and approved by the competent authority.
- 9 The supplied items must carry a minimum standard warranty/guarantee period as applicable. Any defects arising during the warranty period shall be rectified/replaced by the supplier at no additional cost. After elapse of warranty, terms and conditions of AMC/CMC has to be mentioned.
- 10 The supplied items must conform to the approved specifications and quality standards. Substandard or non-conforming items are liable to be rejected.
- 11 The items supplied are subject to inspection and acceptance by the designated authority of the institution. Acceptance will be based on compliance with specifications and satisfactory performance.
- 12 The supplier shall not be held responsible for delays or failure in performance due to unforeseen circumstances beyond control such as natural calamities, war, strikes, or government restrictions, subject to
- 13 Any dispute arising out of this tender shall be subject to the jurisdiction of the competent court within the territorial jurisdiction of judicial systems prevail of the state.

General Manager (HR)

Society for TMC & Dr. BRAM Teaching Hospital  
Hapania, Agartala, Tripura (W)

Copy to:

- 1 The Chairman, SFTMC for kind information
- 2 The Chief Executive Officer, SFTMC for kind information
- 3 The Principal, TMC& BRAMT Hospital for kind information
- 4 The MS, TMC& BRAMT Hospital for kind information

# Specifications

| Name                                  | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. Samsung HM70 EVO Ultrasound System | <p><b>General Features</b></p> <ul style="list-style-type: none"> <li>Type: Portable / Compact Ultrasound System</li> </ul> <p><b>Imaging Technology</b></p> <ul style="list-style-type: none"> <li>Imaging Modes: <ul style="list-style-type: none"> <li>2D (B-mode)</li> <li>M-mode</li> <li>Color Doppler</li> <li>Power Doppler</li> <li>Pulsed Wave Doppler (PW)</li> <li>Tissue Harmonic Imaging (THI)</li> </ul> </li> <li>Advanced Imaging: <ul style="list-style-type: none"> <li>S-Flow (for microvascular imaging)</li> <li>ClearVision (speckle reduction filter)</li> <li>MultiVision (image compounding)</li> <li>EZ Exam (automated workflow)</li> </ul> </li> </ul> <p><b>Transducer Compatibility</b></p> <ul style="list-style-type: none"> <li>Supports multiple probe types: <ul style="list-style-type: none"> <li>Linear (vascular, small parts)</li> <li>Phased array (cardiac)</li> </ul> </li> </ul> | 1 (One)  |

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|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 2. Schiller GraphNet Neo Ventilator | <p><b>General Description</b></p> <ul style="list-style-type: none"> <li>• Type: Neonatal &amp; Infant Mechanical Ventilator</li> <li>• Application: NICU, PICU, OT</li> <li>• Ventilation: Invasive &amp; Non-invasive</li> </ul> <p><b>Ventilation Modes</b></p> <ul style="list-style-type: none"> <li>• Time Cycled Pressure Limited (TCPL)</li> <li>• SIMV (TCPL) + Pressure Support (PSV)</li> <li>• N-CPAP</li> <li>• Non-Invasive Ventilation (NIV)</li> <li>• SIMV (PRVC) + PSV</li> <li>• Volume Support Ventilation (VSV)</li> </ul> <p><b>Performance &amp; Precision</b></p> <ul style="list-style-type: none"> <li>• Minimum tidal volume delivery: <b>as low as 2 mL</b> (very suitable for neonates)</li> </ul> <p><b>Monitoring &amp; Safety</b></p> <ul style="list-style-type: none"> <li>• Maximum pressure safety limit: <b>up to 120 cm H<sub>2</sub>O</b></li> </ul> <p><b>Gas &amp; Pneumatic Requirements</b></p> <ul style="list-style-type: none"> <li>• Oxygen supply pressure: approx. <b>50–100 psi (3.5–7 bar)</b></li> <li>• Connector: Standard medical gas interface (DISS type)</li> </ul> <p><b>Battery &amp; Power</b></p> <ul style="list-style-type: none"> <li>• Internal rechargeable battery</li> <li>• Battery backup: <b>~2 hours</b></li> </ul> | 1 (One) |
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|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 3. Neopuff T-Piece Resuscitator – 900 Series | <p><b>General Description</b></p> <ul style="list-style-type: none"> <li>• Device Type: T-Piece Neonatal Resuscitator</li> <li>• Model: Neopuff 900 Series</li> </ul> <p><b>Principle of Operation</b></p> <ul style="list-style-type: none"> <li>• Provides controlled positive pressure ventilation (PPV)</li> <li>• Delivers:             <ul style="list-style-type: none"> <li>○ Peak Inspiratory Pressure (PIP)</li> <li>○ Positive End Expiratory Pressure</li> </ul> </li> </ul> <p><b>Pressure Control</b></p> <ul style="list-style-type: none"> <li>• Adjustable <b>PIP range</b>: approx. 0–60 cm H<sub>2</sub>O</li> <li>• Adjustable <b>PEEP range</b>: approx. 0–20 cm H<sub>2</sub>O</li> <li>• Maximum pressure relief (safety): ~60 cm H<sub>2</sub>O</li> </ul> <p><b>Safety Features</b></p> <ul style="list-style-type: none"> <li>• Built-in pressure relief valve</li> <li>• Consistent pressure delivery reduces risk of barotrauma</li> <li>• Audible/visual pressure monitoring</li> <li>• Reliable even during prolonged use</li> </ul> | 2 (Two) |
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4. Fisher & Paykel  
Bubble CPAP System  
with MR950  
Humidifier

### General Description

- Device Type: Neonatal Bubble CPAP System with Heated Humidifier
- Manufacturer: Fisher & Paykel Healthcare
- Application: Respiratory support for neonates and infants
- Suitable for: Premature and full-term neonates (up to ~10 kg)

### System Components

- Bubble CPAP Generator
- Heated Inspiratory & Expiratory Breathing Circuits
- Pressure Relief Manifold
- Humidification Chamber
- MR950 Heated Humidifier System
- Nasal interface (prongs/mask – FlexiTrunk™ compatible)

### CPAP Performance

- CPAP Pressure Range: 3 – 10 cm H<sub>2</sub>O
- Flow Rate: 4 – 15 L/min
- Stable pressure delivery via bubble system
- Built-in pressure relief mechanism (~17 cm H<sub>2</sub>O safety)

### MR950 Heated Humidifier Specifications

#### General

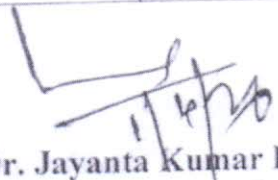
- Type: Advanced heated humidifier with integrated control system
- Automatic neonatal mode activation

3  
(Three)

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|                                           |                                                                                                                                                                  |          |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                                           | <b>Performance</b> <ul style="list-style-type: none"> <li>• Neonatal flow range: <b>0.5 – 40 L/min</b></li> <li>• CPAP mode flow: <b>4 – 15 L/min</b></li> </ul> |          |
| 5. Resuscitator Kit for infants (Silicon) | Silicon AMBU Bag 240-300ml with neonatal mask                                                                                                                    | 2 (Two)  |
|                                           | Silicon AMBU Bag 450-500 ml with infant mask                                                                                                                     | 2 (Two)  |
|                                           | Silicon AMBU Bag 500-750ml with infant mask                                                                                                                      | 2 (Two)  |
| 6. NIBP Neonatal cuff                     | <b>Size 1 (Neonate 1)</b> 3 – 6 cm                                                                                                                               | 4 (Four) |
|                                           | <b>Size 2 (Neonate 2)</b> 4 – 8 cm                                                                                                                               | 4 (Four) |
|                                           | <b>Size 3 (Neonate 3)</b> 6 – 11 cm                                                                                                                              | 4 (Four) |
| 7. NIBP Paediatric cuff                   | Size 4 ( Infant standard) 8-15 cm                                                                                                                                | 4 (Four) |
| 8. Epson CO-FH02 Smart Full HD Projector  | <b>Resolution:</b> Full HD 1080p.<br><b>Brightness:</b> 4,100 lumens.<br><b>Wireless:</b> Wi-Fi 6                                                                | 1 (One)  |
| 9. Pull down retractable projector screen | 80inches x 100 inches (16:9)                                                                                                                                     | 1 (One)  |

  
 [Prof. (Dr. Jayanta Kumar Poddar)]  
 Medical Superintendent



| Specifications for Refrigerator               |                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------|
| Type                                          | Vertical                                                                                   |
| Total storage capacity                        | 360 bags (450 mL) or 510 bags (350 mL)                                                     |
| Storage capacity per tray                     | 72 bags (450 mL) or 102 bags (350 mL)                                                      |
| Trays                                         | 5 stainless steel slide-out trays fitted with acrylic panels                               |
| Voltage                                       | 230 V $\pm$ 10%, 50 Hz, single-phase AC                                                    |
| Voltage stabilizer                            | 1 kVA built-in                                                                             |
| Power consumption                             | 700 W maximum                                                                              |
| External dimensions (W $\times$ D $\times$ H) | 870 $\times$ 958 $\times$ 1867 mm with casters                                             |
| Internal dimensions                           | 710 $\times$ 770 $\times$ 1210 mm                                                          |
| Weight                                        | 270 kg                                                                                     |
| Door                                          | Polyurethane (PU) foam insulation, triple-pane glass                                       |
| Outer cabinet                                 | Powder-coated high density galvanized iron                                                 |
| Insulation                                    | 80 mm PU                                                                                   |
| Inner chamber                                 | Stainless steel                                                                            |
| Chamber temperature range                     | +4 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C                                                       |
| Air circulation inside chamber                | Continuously operating forced-air circulation using the evaporator fan                     |
| Lamp                                          | CFL/LED model                                                                              |
| Compressor                                    | Hermetically sealed                                                                        |
| Refrigerant                                   | R134a (CFC-free)                                                                           |
| Portability                                   | 2 lockable casters in the front<br>2 non-lockable casters in the rear                      |
| Temperature sensing method                    | Encapsulated digital sensor dipped in 0.25% glycerin solution and kept in a plastic bottle |
| Temperature sensor accuracy                   | $\pm$ 0.5 $^{\circ}$ C                                                                     |
| Interface                                     | 4-digit, 7-segment red LED                                                                 |
| Temperature display interval                  | 0.5 $^{\circ}$ C                                                                           |
| Alarms and indicators                         |                                                                                            |
| Line in                                       | Visible                                                                                    |
| Power                                         | Visible                                                                                    |
| Compressor on                                 | Visible                                                                                    |
| Heater on                                     | Visible                                                                                    |
| Temperature high/low                          | Audible/visible                                                                            |
| Door open                                     | Audible/visible                                                                            |
| System OK                                     | Visible                                                                                    |
| Battery low                                   | Visible                                                                                    |
| Power failure                                 | Audible/visible                                                                            |

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|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Sensor failure                | Audible/visible                                    |
| Chart change                  | Visible                                            |
| Chart accuracy                | $\pm 1^{\circ}\text{C}$                            |
| Chart duration                | 7 days                                             |
| Recorder resolution           | $1^{\circ}\text{C}$                                |
| Temperature recording         | Ink pen on paper chart                             |
| Quality management system     | ISO 9001:2015; EN ISO 13485:2016                   |
| Medical device classification | Class B (as per Indian Medical Devices rules 2017) |

| Specifications for Portable Sealer |                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Power supply                       | Ni-MH battery pack 12 V, 4.5 Ah                                                                                                       |
| Electrical classification          | Protection against electrical shock:<br>In charging: Class I<br>In use: Internally powered                                            |
| Operation                          | Intermittent operation                                                                                                                |
| Working environment                | Temperature: $5^{\circ}\text{C}$ to $40^{\circ}\text{C}$<br>Relative humidity: 30% to 75%<br>Atmospheric pressure: 700 to 1,060 hPa   |
| Storage and transportation         | Temperature: $-20^{\circ}\text{C}$ to $40^{\circ}\text{C}$<br>Relative humidity: 20% to 90%<br>Atmospheric pressure: 600 to 1,060 hPa |
| Battery charger                    | Input: 100 to 240 V AC<br>Output: 18 V DC 3.3 A (max)                                                                                 |
| Battery charging time              | 3 hours for 1,000 seals                                                                                                               |
| Number of seals                    | 1,000 seals for a fully charged battery (under test conditions)                                                                       |
| RF frequency                       | 40.68 MHz                                                                                                                             |
| RF cable length                    | 2.44 m approx.                                                                                                                        |
| Weight: base power unit            | 2,000 g approx.                                                                                                                       |
| Sealing head                       | 230 g approx.                                                                                                                         |
| Maximum diameter of the tube       | 5 mm                                                                                                                                  |
| Sealing time                       | <1.5 seconds controlled by microcontroller                                                                                            |
| Indications                        | Charging<br>Battery low/calibration<br>Voltage level<br>Sealing indication in the sealing head                                        |
| Dimension power source (W x D x H) | 160 mm x 258 mm x 50.5 mm approx                                                                                                      |

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30/4/16