



## Notice Inviting e-Tender

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Procurement of different Medical Equipment for the Department of NICU & PICU, at  
R.G.Kar Medical College and Hospital  
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-316/2023
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Dated-19.06.2023
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### Amendment-IV

#### REVISED TECHNICAL SPECIFICATION

##### Item-II

##### Bubble CPAP

- 1) Reusable circuit should contain:
  - a) Reusable humidifier water chamber
  - b) Pressure manifold
  - c) CPAP generator
- 2) CPAP generator should have facility for **overflow chamber** and increasing or decreasing the pressure.
- 3) Breathing Circuit:

Should be supplied with heater wire technology with each machine to provide proper humidification.

##### **Reusable type: 1 set**

Following accessories should be supplied with the Reusable circuit:

- (a) Heated wire - 1 no
- (b) Temperature probe - 1 no
- (c) Air way probe - 1 no
- (d) Chamber probe and necessary connector - 1 no
- (e) Humidifier water chamber - 1 no
- (f) Pressure manifold - 1 no
- (g) CPAP generator - 1 no

**Disposable type: 4 sets**

Following accessories should be supplied with the 4 sets of Disposable circuit:

- (a) Temperature probe - 1 no
- (b) Air way probe - 1 no
- (c) Chamber probe -1 no and necessary connector
- (d) Humidifier water chamber - 4 nos
- (e) Pressure manifold- 4 nos
- (f) CPAP generator - 4 nos

C P A P generator should have facility for increasing or decreasing the pressure

**4) Non-invasive Interface (for each machine):**

- Nasal Tubing for nasal Mask-50 numbers for each machine.
- Infant Bonnets / Caps of different sizes to fit on head to hold nasal tubing & prongs, 50 numbers of different sizes.
- Neonatal Nasal Masks of small size, medium size, and large size- 50 each to be provided .
- The machine should have high flow nasal oxygen facility. Interface of different sizes Red, Yellow, Purple, Blue (50 each to be provided)

**5) Blender & Humidifier :**

The blender should have dual flow meter for 0.5-3 ltr and 1-15 ltr.

Servo controlled humidifier base with digital temperature display with audio visual alarms for conditions like high & low temperature, humidity & disconnection and / more

All the humidifier accessories and the consumables should be from the same OEM

**6) High flow nasal canula**

The machine should have necessary adaptors for attachment with the circuit. Cannula should be kink proof, soft, flexible, anatomically contoured with good quality adhesive to secure on skin.

Should have facility for high flow nasal canula with at least 10 numbers for infant with bodyweight < 1 kg, 10 numbers for infant with body weight 1 kg to 1.5 kg, 10 numbers for infant with body weight 1.5 kg to 2.5 kg

**7) Medical Air Compressor**

- a) Stand alone Medical Air compressor
- b) An oil free Medical air compressor
- c) Medical Air Compressor should automatically activate in the event of wall air supply loss.
- d) Replacement of internal filters should be performed without removing the compressor
- e) Should have washable air filter
- f) US FDA or CE ("Conformite Europeene") from European Union notified body having 4 digit identification number approved.

- 8) Warranty of entire unit including equipment, accessories and ancillaries etc. 2 years.
- 9) Certification: 4 digit European CE / US FDA