



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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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

Amendment-II

REVISED TECHNICAL SPECIFICATION

Item-IV

High Flow Nasal Oxygen System

1. Blender:
 - a) Blender should deliver oxygen concentration range (21% to 100%)
 - b) Flow rate 2- 60 litre/min or more
 - c) Accuracy \pm 3%
 - d) Size approx. 6 cm X 9 cm X 10 cm
 - e) Should be US FDA or European CE ("Conformité Européene") approved having 4 (four) digit identification number.
 - f) The machine should have inbuilt blender and humidifier

2. The equipment should be compressor / turbine driven. Equipment should be supplied with compressor / turbine. Compressor / turbine should be US FDA or European CE ("Conformité Européene") approved having 4 (four) digit identification number. Equipment should be compact, portable, user friendly easy to transport to different wards.

3. Humidifier:

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

4. Circuit:

The heated breathing tube should have air pocket as insulator to minimize the condensation.

Consumable likely to be consumed over a period of 1 year (rate to be quoted separately)

Disposables Circuit: 14 units

High flow nasal Cannula: 10 units of all sizes and colours i.e. red, yellow, purple, green

Cannula should be designed to minimize jet flow, kink proof, soft, flexible, anatomically contoured with good quality adhesive to secure on skin.

Consumables and circuit should be US FDA or European CE ("Conformité Européene") approved

The heated breathing tube should have provision to provide inline nebulization during therapy.

The device should have the thermal disinfection mode to minimize the contamination.

5) Accessories:

- a) Air and oxygen hose and coupler
- b) Bracket pole mount
- c) Trolley

6) Medical Air Compressor specifications if system come with 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 having 4 (four) digit identification number.
- g) Bidder to quote cost of the compressor in Form 8 if system comes with compressor. However comparison of cost will be done considering cost of compressor.

7) Alarm:

- a. Water out alarm
- b. Blockage alarm

8) Documentation:

User/Technical/Maintenance manual to be supplied in English.

9) Warranty: The machine and all other accessories should be under warranty for 2 years.