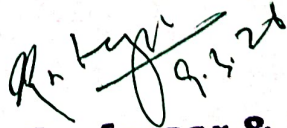


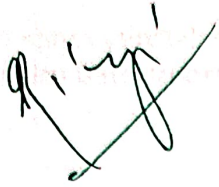
Dr. A. B. 26.

TECHNICAL SPECIFICATIONS FOR-HFNC System

1. It should be a single system for treating Neonates and Paediatric patients and semi adult and adult
2. The Device should have a direct setting for FIO₂ and delivery range of oxygen concentration (PiO₂): 21% to 100% and should be demonstrated using external oxygen analyser with accuracy of $\pm 3\%$
3. Accuracy for O₂: $\pm 3\%$.
4. External Blender capable of delivering a flow: 01 to 85 LPM and 0 to 32lts, the blender should have a Fio₂ Monitor to display percentage of Fio₂ Delivered.
5. Parameters should be displayed: Temperature
6. Alarms should be available for: High and Low Temperature, Oxygen/Air leak
7. Inbuilt or attached heated servo-controlled humidifier with 3 modes of operation auto and manual mode and as per user to deliver warm and humid gasses to the airway.
8. Servo-controlled humidifier with 3 modes of operation invasive, non-invasive and one mode as per user to deliver warm and humid gasses to the airway.
9. Large 3.5" TFT-colour display non touch screen
10. Automatic water level detection it should have an IR 4 level sensor to detect the water level in the humidifier chamber.
11. Alarm should be displayed on the humidifier with graphical pictures for easy identification
12. The humidification chamber should have an autofill system.
13. Material of Pole Trolley: High quality corrosion resistant stainless-steel material.
14. Product certifications approved. Blender should be US FDA Approved, and humidifier separately can be USA FDA or European CE (from a Four Digit notified body) approved).
15. Device should be serviceable for 7 years from the date of supply and service should be provided from the principal company in India (not by the authorised channel partner).
16. Prices of consumables and accessories should be quoted separately.
17. Companies should quote their latest model (undertaking).
18. High flow nasal Cannula and breathing circuits should be made of PVC, DEHP free material.
19. CMC: As per Institute's Norms.
20. Warranty: Unconditional warranty 5 years.
21. Additional Consumables must be provided:
 - High Flow Breathing Circuit (spiral heated wires) for Neonatal and Paediatric: 2 nos.
 - Number of Humidification Chamber: 2 nos.


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Nasal Cannula for Neonatal and Paediatric patient with concave base/adapter in three different sizes: 2 nos.



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