

GOVT. OF INDIA
LADY HARDINGE MEDICAL COLLEGE AND ASSOCIATED HOSPITAL
KALAWATI SARAN CHILDREN'S HOSPITAL : NEW DELHI

NO:- KSCH/Pur/ME/22/23-24/EF.9539/ 3282

Dated :- 12/09/2023

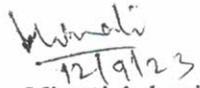
PUBLIC NOTICE

The Director, LHMC & Associated Hospitals proposed to purchase under mentioned equipment for the department of Neonatology under GFR-166 (Single Tender Enquiry) i.e. on proprietary basis. The details of proposal under consideration are as under;

S.No.	Description	Details
1.	Name of Equipment	Servo Controlled Respiratory Humidifier, Model F&P 950 Make Fisher & Paykel
2.	Number of equipment to be procured	08 Nos.
3.	Cost of Equipment	Rs.173500.00 + GST per unit
4.	Warranty	5 years comprehensive warranty from the date of installation
5.	Name of Manufacturer	M/s Fisher & Paykel Healthcare Limited Supply through: M/s. Ved Med Software & Trading Pvt. Ltd., Add:-B-29, Kailash Colony, Delhi-110048
6.	Technical Specification	As per enclosure

The representations (if any) along with proper justification (supported by documents) should be submitted to the Purchase Section, Room No.133, First Floor, Old Building, KSCH within 15 days, failing which it will be presumed that the item is proprietary in nature and the proposal will be processed accordingly.

This issues with the approval of Competent Authority.


(Dr. Minati Acharjya)
Addl. Medical Supdt.
KSC Hospital, New Delhi

Copy to: Notice Board

Technical Specification: Servo Controlled Heated Device for Ventilator / BCPAP

- Device should have both Temperature and Flow Sensors.
- The device should have a provision for the attachment of a sensor cartridge with inbuilt sensor probes which will help detect temperature and flow of incoming gases.
- It should have a touch screen LCD screen which displays the temperature of the humidified gasses being delivered at the patient end
- It should have minimal assembly connections, be easy and simple to set up.
- It should be suitable for Adult, Paediatric and Neonatal ventilation.
- The device in the adult mode should have comfort temperature settings for NIV and HFNC
- NIV mode range of temperatures should ideally be 27, 29 & 31.
- The HFNC mode range of temperatures should ideally be 33, 35 & 37
- It should have incoming gas temperature probe to detect temperature of incoming gases in the chamber
- It should have an adaptor for providing power to heat the expiratory limb of the ventilator circuit.
- Option of monitoring Flow rate, Heater plate temperature, duty cycle of heater coil and heater plate on the humidifier screen.
- Length of the limbs should be 1.6 m for Inspiratory and Expiratory in case of Adult and Length of the limbs should be 1.75m & 1.6 m for Inspiratory and Expiratory respectively in the case of Neonatal

Storage temperature

- Should have a storage temperature of -10 to 60 degrees Celsius

Storage Humidity

- 10-95% relative humidity non-condensing

Display Range of Temperature

- **10-50 deg Centigrade**

Accuracy:

± 2 degree Celsius (in 25 to 45 degrees temperature range)

Humidity Performance-Adult

- Invasive mode (37 °C): > 33 mg/L
- Mask mode (31 °C): > 12 mg/L
- Optiflow mode (37 °C): > 12 mg/L

Humidity Performance- Neonatal

- Neonatal mode (37 °C): > 33 mg/L

Operating Pressures

- Minimum of 70 kPa (equivalent to a maximum altitude of 3000 m)

Operating Flow Range @ 22 degree centigrade

- Invasive(5-60 Liters/ Minute)
- Non Invasive(5-120 Liters/ Minutes)

- Optiflow Range(5-70 Liters/Minute)

Warm up time

- Should have a warmup time of less than 30 minutes.

Alarms

Should have visual and audible alarms to detect circuit disconnection, no water alarm, low and high temperature alarms, Cartridge detection alarm, tube fault alarm, out of range alarm, cartridge life alarm, service required alarm etc.

Sound Pressure Level

- Alarms to exceed 45dBA @1m
- Should be CE Approved with all international electrical and safety standards
- Warranty: One year manufacturer warranty on humidifier & sensor cartridge