



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)
All India Institute of Medical Sciences, Raipur (Chhattiagarh)
Tatibandh,
Raipur-492 099 (CG)

Store/Tender/ High Frequency Ventilator & Oscillator /1/2016/AIIMS.RPR Dated: - 13-01-2016

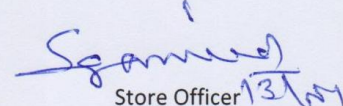
Subject: Purchase of **High Frequency Ventilator & Oscillator** for Department of Pediatrics at AIIMS, Raipur on Proprietary basis- **Inviting comments thereon.**

The institute is in the process to purchase High Frequency Ventilator & Oscillator for the department of Pediatrics at AIIMS, Raipur from Manufacturer : Care Fusion, 22745, Yorba Linda CA 92887, USA and Local Agents : M/s Care Fusion, 135-137 , First Floor, ABW Rectangle One Building, Centre Saket, New Delhi - 110017 on proprietary basis. The proposal submitted by Care Fusion and PAC certifications are attached and uploaded on website.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item with 10 days from the date of issue/uploading of the notification giving reference Store/Tender/High Frequency Ventilator & Oscillator/1/2015/AIIMS.RPR. The comments should be sent to Store Officer, AIIMS, Raipur on or before 25-01-2016 up to 3:00 pm. failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Encl.: Related documents enclosed (Specification and PAC).

Yours faithfully,


Store Officer 13/1/16
AIIMS, Raipur

Specifications for Stand-alone high frequency ventilator high frequency oscillator for neonates and pediatric patient up to 35kgs

- 1) Mode: **High Frequency Oscillations with active exhalation technology**
- 2) Technology of oscillations: **Electromagnetically driven piston technology**
- 3) The main unit **should have US-FDA** approval and certification for high frequency oscillation ventilation in neonates and children
- 4) The compressor should have US-FDA or European CE certification
- 5) Birth weight operation range: As low as 500 grams to as high as 35 kg
- 6) Settings:
 - a) FiO₂: 21-100%
 - b) Frequency: 3-15 Hz
 - c) Oscillatory Pressure: up to 40 cm H₂O
 - d) Mean airway pressure: 3 - 40 cm H₂O
 - e) Amplitude (delta-P): >90 cm H₂O
- 7) Display: Mean Airway Pressure; Oscillatory Pressure amplitude, % inspiratory time, frequency, piston displacement and bias flow
- 8) Alarms:
 - a) High and low mean airway pressure
 - b) Oscillator overheated
 - c) Oscillator stopped
 - d) Power failure
 - e) Source gas flow low
 - f) Battery low
- 9) The unit should be mounted on a trolley / Pedestal stand with good quality castors
- 10) The unit should have an air compressor that can support high gas flow requirements of high frequency oscillation and should have connections online to automatically switch on when the piped central air supply pressure drops below the recommended limit
- 11) Oxygen / Air delivery hoses as applicable. The vendor should also arrange to supply the nipples for the hoses that are compatible with hospital's AIR and O₂ supply sockets
- 12) Integrated battery back up of at least 30 minutes for a continuous functioning of the ventilator and compressor in case of power shut down.
- 13) **Power supply:** 220-240 V and 50-60 MHz
- 14) Each unit should have a circuit hanger to support the patient circuit
- 15) The equipment should come with a warranty of 2 years from the date of satisfactory installation and 5 years comprehensive maintenance contract after the end of the warranty. Warranty and CMC should include all parts - plastic, metallic, glass, batteries, electronic, electrical and rubber. Warranty and CMC should cover the ventilator, compressor, humidifier, stand and any other parts. Warranty and CMC would include the periodic calibration of all parameters strictly as per manufacturer's recommendations and any spares, gases or standards required for that.
- 16) Rates of the chargeable accessories should be quoted for the total period 10 years (warranty and CMC) and should be frozen for that duration
- 17) Essential accessories to be supplied with the initial equipment supply:
 - a) Special low compliance ventilator circuits suitable for high frequency oscillations - 10 circuits.
 - b) The unit should be supplied with stand alone heated humidifiers (1 no.) which can **servo control** the temperature based on the patient end temperature and gas flow rate in the circuit and of the latest model and complete with all accessories to make it operational.

Ajindal
2/1/2016

D. Durgam
06/01/2016

R. K. S. S. S.
6/2/16

- c) For each humidifier: Temperature probes (2 nos.), Humidifier chambers – reusable (2 nos.), heater wire adaptors suitable for both reusable and disposable circuits (2 nos.)
- 18) Price of the essential accessories should be quoted and frozen for the entire duration of the contract period (10 years)
- 19) This is proprietary item and to be procured through PAC.

Ajind
6/1/2016

D. Singh
06/01/2016

Chhetanpal
6/1/2016

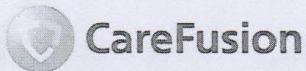
Specifications for Stand-alone high frequency ventilator (Proprietary) – 3100B high frequency oscillator for adults and children weighing more than more than 35 Kgs

- 1) **Mode: High Frequency Oscillations with active exhalation technology**
- 2) Technology of oscillations: **Electromagnetically driven piston technology**
- 3) **The main unit should have US-FDA approval** and certification for high frequency oscillation ventilation in Adults
- 4) The compressor should have European CE certification
- 5) Weight operation range: **For Adults and children weighing more than more than 35 Kgs.**
- 6) Settings:
 - a) FiO₂: 21-100%
 - b) Frequency: 3-15 Hz
 - c) Oscillatory Pressure: up to 44 cm H₂O
 - d) Mean airway pressure: 5 - 45 cm H₂O
 - e) Amplitude (delta-P): >85 cm H₂O
- 7) Display: Mean Airway Pressure; Oscillatory Pressure amplitude, % inspiratory time, frequency, piston displacement and bias flow
- 8) Alarms:
 - a) High and low mean airway pressure
 - b) Oscillator overheated
 - c) Oscillator stopped
 - d) Power failure
 - e) Source gas flow low
 - f) Battery low
- 9) The unit should be mounted on a trolley / Pedestal stand with good quality castors
- 10) The unit should have an air compressor that can support high gas flow requirements of high frequency oscillation and should have connections online to automatically switch on when the piped central air supply pressure drops below the recommended limit
- 11) Oxygen / Air delivery hoses as applicable. The vendor should also arrange to supply the nipples for the hoses that are compatible with hospital's AIR and O₂ supply sockets
- 12) Integrated battery backup of at least 30 minutes for a continuous functioning of the ventilator and compressor in case of power shut down.
- 13) **Power supply: 220-240 V and 50-60 MHz**
- 14) Each unit should have a circuit hanger to support the patient circuit
- 15) The equipment should come with a warranty of 2 years from the date of satisfactory installation and 5 years comprehensive maintenance contract after the end of the warranty. Rates of the chargeable/consumable accessories should be quoted for the total period 10 years (warranty and CMC) and should be frozen for that duration
- 16) Essential accessories to be supplied with the initial equipment supply:
 - a) Special HFO ventilator circuits suitable for high frequency oscillations – 10 circuits.
 - b) The unit should be supplied with stand alone heated humidifiers (1 no.) which can servo control the temperature and humidity based on the patient end temperature and gas flow rate in the circuit and of the latest model with temperature display for set as well as measured temperature and complete with all accessories (2 each) to make it operational.
- 17) Price of the essential accessories should be quoted and frozen for the entire duration of the contract period (10 years)
- 18) This is proprietary item and to be procured through PAC.

Rjindal
6/1/2016

Metangal
6/1/2016

DDamjan
06/01/2016



22745 Savi Ranch Parkway
Yorba Linda CA 92887
1.714.283.2228 tel.

carefusion.com

January 21, 2015

To whom it may concern:

Subject: Proprietary Technology – CareFusion 3100A High Frequency Oscillations Ventilators

CareFusion is a worldwide manufacturer of Intensive Care Ventilators. Our product portfolio includes clinical differentiated products such as the 3100A/B HFOV, AVEA®, and VELA® products.

The 3100A series ventilator is the only FDA approved high frequency oscillatory ventilator for early intervention in the treatment of neonates in respiratory failure. Our patented technology is a reliable, electromagnetic driven piston that is capable of providing active exhalation at rates between 180-900 breaths per minute. Active exhalation is critical to managing patient gas exchange at extremely high rates and airway pressures. This powerful piston is capable of supporting neonatal to pediatric patients and has no weight limit for patient applications.

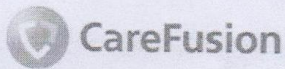
The 3100A High-Frequency Oscillatory ventilator is proprietary technology of CareFusion.

Should you need more information, please log on to www.carefusion.com or contact us for further information.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Kerry Ross'.

Kerry Ross
Director, International Marketing
CareFusion



22745 Savi Ranch Parkway
Yorba Linda CA 92887
1.714.283.2228 tel.

carefusion.com

June 29, 2015

To whom it may concern:

Subject: Proprietary Technology – CareFusion 3100B High Frequency Oscillations Ventilators

CareFusion is a worldwide manufacturer of Intensive Care Ventilators. Our product portfolio includes clinical differentiated products such as the 3100A/B HFOV, AVEA®, and VELA® products.

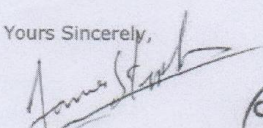
The 3100B series ventilator is the only FDA approved high frequency oscillatory ventilator for the treatment of Acute Respiratory Distress Syndrome (ARDS), including flu and pneumonia, in adults and children weighing more than 35 kilograms.

Our patented technology is a reliable, electromagnetic driven piston that is capable of providing active exhalation at rates between 180-900 breaths per minute. Active exhalation is critical to managing patient gas exchange at extremely high rates and airway pressures. This powerful piston is capable of supporting pediatric to adults patients and has no weight limit for patient applications.

The 3100B High-Frequency Oscillatory ventilator is proprietary technology of CareFusion.

Should you need more information, please log on to www.carefusion.com or contact us for further information.

Yours Sincerely,


James Stephen
Regional Manager
CareFusion



Certificate for Purchase of Proprietary Article

- (1) Description of Article Care Fusion 3100 A & 3100 B High Frequency Oscillator
- (2) Quantity 3100 A (1) & 3100 B (1)
- (3) Approximate cost, if known 1 lac USD
- (4) Maker's name and address Care Fusion, 22745 Sawi Ranch Parkway, Yorba Linda CA 92807
- (5) Name of Local Agents Care Fusion, 135-137 First Floor, ABW rectangle one building, District Centre Saket, New Delhi - 110017 (Behind Hotel Sheraton Saket & DLF mall)
- (6) I approve the above purchase and I certify that:
- ☒ (a) No other make/brand will be suitable.
- (b) This is the only firm who is manufacturing/stocking this item.
- (c) A similar article is not manufactured/sold by any other firm, which could be used in lieu.

Note- Delete (a) or (c) whichever is not necessary.

Date 13/1/16

Signature *Atul Jindal*

Designation of Officer Assistant Professor

Dr. Atul Jindal
Assistant Professor
Department of Pediatrics
AIIMS, Raipur 492 099 (C.G.)