

**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED****Procurement Cell****( A Government of Maharashtra Undertaking)****Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)**

Phone No: 022- 24129320-23

Managing Director :022-24150628

General Manager (Procurement Cell) :022-24100478

Website : <http://www.vaccinehaffkine.com>E-mail: [procurementcell@vaccinehaffkine.com](mailto:procurementcell@vaccinehaffkine.com)

No.: 3278 /Haffkine/Procurement Cell/E-2696/Ventilator /2019-20

Date: 18/04/2020

To,  
M/s. Biotronics Equipments Pvt. Ltd.  
504, Reena Complex, Ramdev Nagar,  
Opp. Nathani Steel, Vidyvihar (W),  
Mumbai- 400086.  
E-Mail: [info@biotronicsindia.com](mailto:info@biotronicsindia.com)

**Subject :** Supply Order for Tender No. E-2696/ Ventilator.**Reference:** 1. Tender No. E-2696/HBPCL/PC/ Ventilator /2019-20.

2. Sanction of Tender Approval Committee Meeting Dated 15 .04.2020

With reference to the tender cited under reference no 1, you are requested to supply the following goods as per details mentioned below to consignee list enclosed with this order.

Sr. No.	Name of the item	Specification of item	Quantity/ Unit (DHS)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1	<b>Ventilator Model: Bellavista 1000</b>	As per Annexure X	25	11,90,000/-	<b>2,97,50,000/-</b>

**Total amount in words: Rupees Two Crore Ninety Seven Lakh Fifty Thousand only.****Factory Location: M/s. Vyair Medical – IMT Medical Switerland, Gewerbestr, 8. CH – 9470 Buchs Switzerland Tel: +41 81 750 66 99.**

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** Delivery before 13<sup>th</sup> June 2020.
- Pre-Dispatch Inspection:** Supplier shall make necessary arrangement / facilitate to carry out Pre-Dispatch inspection as per Tender Terms & condition and submit the Inspection report to this office. The Pre-Dispatch inspection cost will be borne by supplier. Machine should be dispatched only after satisfactory Pre-Dispatch Inspection.
- Risk purchase clause:** If the bidder fails to supply the stores within the stipulated delivery period, the order will stand cancelled. Undersigned shall be entitled to purchase such stores from any other source at such price which ordinarily should not be more than 10% of the tender price. The extra expenditure in such cases shall be recovered by Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai from the Supplier.



5. **Payment Terms:** Payment of 100% of the contract value will be made within 8 weeks on delivery and successful installation and satisfactory commissioning and operation of the machinery.
6. **Labelling:** The word "**For use of GOVERNMENT OF MAHARASHTRA NOT FOR SALE**" should be printed on each unit pack in readable Purple or Green Colours.
7. **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
8. **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
9. **Invoice Copy** - Should be sent in triplicate on the Name of Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd.(Procurement Cell), Mumbai. Along with Bill of Entry and Country of Origin Certificate of the consignment.

10. **Other Terms :**

1) **Warranty:** The warranty period shall be for 2 years from the date of commissioning of all equipment supplied as certified by the consignee. After completion of 2 years warranty period Manufacturer/Supplier should give commitment to ensure services and supply of spare part for further 8 years. The successful tenderer must ensure 95% uptime during warranty period. In case of downtime, warranty period will be extended for period of downtime. If the equipment is not attended within 24 hours for Mumbai and 48 hours for other places the supplier will be liable to pay a penalty of 0.07% of purchase cost for every day of delay. Such penalty will be recovered from the amount of security deposit. Certificate of such uptime / downtime issued by the end user will be binding for the supplier Replacement of spares parts thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost.

2) The user institution will enter to the Comprehensive Maintenance Contract with supplier agency @ 5% of the order value of the equipment per year for 8 years after completion of warranty period. In case of non-compliance of CMC the supplier will be liable to pay penalty or for appropriate action. Payment of CMC on yearly basis will be made by the user's institution, at the end of the year after satisfactory performance report from the end user.

11. **Contract Agreement:** Bidder should submit a tripartite (Importer, Manufacturer and Haffkine Bio Pharmaceutical Corporation Ltd.) Contract Agreement on non-judicial stamp paper of requisite value.

**Fall Clause**

It is a condition of the contract that all through the currency thereof, the price at which you will the supply stores should not exceed the lowest price charged by you to any customer during the currency of the contract and that in the event of the prices going down below the rate contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.

12. The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 4,46,250/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 8,92,500/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee valid for 2 months after the expiry of date of warranty issued by any Nationalized / Scheduled Bank.

**Amount to be deposited to Following Account:**

Name of Account	Haffkine Bio-Pharmaceutical Corporation Ltd. (Procurement Cell), CESS Account Mumbai.
Name of the Bank & Branch	Canara Bank, Branch-Parel
Account No.	0110201004893
IFSC Code	CNRB0000110

**Consignee:** As per list enclosed

*Rajesh*

**(Dr. Rajesh Deshmukh)**

**Managing Director**

**Haffkine Bio Pharmaceutical Corporation Ltd.**

**(Procurement Cell), Mumbai.**

**Copy to:**

- 1) Commissioner Health Services, Mumbai.
- 2) Director, Medical Education & Research, Mumbai-400 001.
- 3) Account Manager, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai.
- 4) Office File.

**Copy to Consignee:** Civil Surgeon (Concerned). : As per Tender Condition No.17 The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Order value of equipment per year for Eight years after Completion of warranty period.

**Copy Submitted to:** 1) Secretary, Medical Education & Drug Department, Mantralaya, Mumbai.



**Annexure-X**  
**Specification for Ventilator**

**Ventilation Modes**

- VC-CMV / VC-AC
- VC-SIMMV
- VC-MMV
- PC-APRV
- PC-BIPAP1 / PC- SIMV
- PC-AC
- SPN-CPAP

**Optional Enhancements**

- Automatic Adaption of the inspiratory flow in volume orientated ventilation mode
- NIV – Non Invasive Ventilation with optimized alarm systems and automatic leakage compensation
- Mainstream CO2 Measurement
- Loops, Trends, user logbook
- LPO – low Pressure Oxygen Independent oxygen Supply
- Nurse call – Connection for transmitting alarm signals to a central, Alarm System

**General**

- Patient type : Adult, paediatric
- Respiratory rate : 2/ min to 80/ min
- Inspiration time : 0.2 to 10s
- Tidal volume : 0.05 to 2.0L, ( with option Paediatric 0.02 to 2.0 L)
- Inspiratory Pressure :: 1 to 99 mbar (or hpa or cmH2O)
- PEEP/interm. PEEP 0 TO 50 mbar (or hPa or cmH2O)
- Pressure Support / Psupp : 0 to 50 Mbar ( or hpa or cmH2O) (relative to PEEP)
- Flow acceleration : 5 to 200 mbar / sb( Or hPa/s or cmH2O/S)
- O2 – concentration : 21 to 100 Vol. %
- Trigger sensitivity ( Flow trigger ) : 1 to 15 L/min
- Inspiratory termination criterion : 5 to 75 % PIF (peak Inspiratory flow)
- PC-APRV :
  - i. Inspiratory time Thigh 0.2 to 22.0 s
  - ii. Expiratory time Flow 0.1 to 22.0 s
  - iii. Inspiratory Pressure Phigh 1 to 95 mbar (or hPA or cmH2O)
  - iv. Expiratory pressure Plow 0 to 50 mbar ( or hPA or cmH2O)

**Displayed Measured Volues**

- Airway pressure measurements Max. airway pressure, plateau pressure , mean airway pressure, PEEP 0 to 99 mbar ( or hPa or cmH2O)
- Minutes volume (MV) : Total MV, spontaneous MV 0 to 99 L/ Min, BTPS
- Total respiratory rate: Total and spontaneous respiratory rate , 0 to 150/min
- Inspiratory O2-concentration : 21 to 100% Vol.
- End-tidal CO2 concentration: EtCO2 0 to 100 mmHg ( or 0 to 13.2 Vol% or 0 to 13.3 kPa)
- Breathing gas temperature : 18 to 48 °C (64.4 to 118.4 °F)
- Curve displays: Paw (t), Flow (t), Tidal Volume (t), Co2 (t)
- Ventilation ratio ( I: E ) : 1:150 to 150:1
- Compliance C: 0.5 to 200 mL/mbar ( or mL/hPa or MI?cmH2O)

- Resistance R: 3 to 300 Mbar/L/s (or hPa/L/s or cmH2O/L/s)
- Leakage minute volume MVleak: 0 to 100%
- Rapid shallow breathing RSB: 0 to 9999 (1/min/L)
- Special Manoeuvres :
  - i. Intrinsic PEEP PEEP 0 to 100 mbar (or hPa or cmH2O)
  - ii. Exp. Hold

#### Alarms

- Air Pressures: high / low
- Expiratory minute volume: high / low
- Tidal volume: high / low
- Apnea- alarm time: 15 to 60 sec
- Spontaneous breathing frequency: High
- Inspiratory O2-concentration: high / low
- Inspiratory breathing gas temperature: high
- EtCO2: high / low

#### Performance Data

- Maximum (Continuous) inspiratory flow: 250 L/ min
- Value response time  $T_{0.90} \leq 5ms$
- Control Principle: time-cycled, volume-controlled, pressure limited
- Safety valve opening pressure: 120 mbar (or hPa or cmH2O)
- Emergency valve: automatically enables spontaneous breathing with filtered ambient air if air and O2 supply Should Fail.
- Automatic Gas switch- over function if O2 supply fails
- Output for pneumatic medication nebulizer: synchronized with inspiration
- Leak compensation:
  - i. Optimized patient-ventilator synchrony adjust the flow trigger and the inspiratory termination criteria for leaks.
  - ii. Tube application: up to 10L/ min
  - iii. NIV VC-modes : up to 25 L/min
  - iv. NIV PC-modes: Unlimited

#### Operating Data

- Mains power connection: 100V to 240 V, 50/60Hz
- Current consumption: max. 1.3 A at 240 V, Max 3.4 A at 100V
- Battery: internal typically 45 min (extension up to 5h)
- Turbine exchange interval: 8 years, with no limit in operating hours during this interval

#### Gas Supply

- Air Turbine technology
- O2 gas Supply 3 bar (43.5 psi) -10% up to 6 bar (87 Psi)

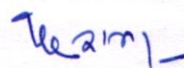
#### Dimension and Weights

- Dimension W × H × D (without trolley) 460 × 383 × 364 ± 2mm (18.11 × 15.08 × 14.33 ± 0.08 inch)
- Weight (basic device) approx. 26 kg (57.3 lbs) without trolley
- Diagonal screen size 12" TFT color touch Screen



**Consignee Details****M/s. Biotronics Equipments Pvt. Ltd.****Ventilator****Model: Bellavista 1000**

<b>Delivery Period</b>	<b>Delivery before 13<sup>th</sup> June 2020.</b>	
<b>PO Reference No.</b>	<b>No.: 3278 /Haffkine/Procurement Cell/ E-2696/ Ventilator /2019-20</b> <b>Date: 18/04/2020</b>	
<b>Sr. No.</b>	<b>Name of the Consignee (Civil Surgeon)</b>	<b>Qty.</b>
1.	Thane	2
2.	Palghar5	1
3.	Nashik	2
4.	Ahmadnagar	2
5.	Satara	1
6.	Ratnagiri	2
7.	Aurangabad	1
8.	Jalna	1
9.	Parbhani	1
10.	Osmanabad	2
11.	Beed	2
12.	Washim	1
13.	Amravati	2
14.	Buldhana	2
15.	Wardha	1
16.	Bhandara	1
17.	Gadchiroli	1
	<b>Total</b>	<b>25</b>



**(Dr. Rajesh Deshmukh)**  
**Managing Director**

**Haffkine Bio Pharmaceutical Corporation Ltd.**  
**(Procurement Cell), Mumbai.**