



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@haffkinemumbai.com
दि: १५.१२.२०२३ प्रशासकीय मंजूर निधी (प्रतिनग) २२,९१,०००/- (DMER २०२३-२४) (Qty.- १२८)	No.: 7973/Haffkine/Procurement Cell/ RT-4335/ Pediatric and Neonatal Ventilator/2024-25. Date: 05.09.2024

To,

M/s. Draeger India Pvt. Ltd.

Authorised Dealer

M/s Med Xpress Pharma India LLP,
Shop No. 11 & 11A, Reena Complex,
Nathani Road, Kalhai Village,
Vidyavihar-W, Mumbai-400086 (India)

Contact:- Mr. Nitin Suryavanshi 9820106082

E Mail:-medxpresspharma@gmail.com

Subject : Supply Order for Tender No. RT-4335/Pediatric and Neonatal Ventilator.

Reference: 1. Tender No. RT-4747/HBPC/PC/Pediatric and Neonatal Ventilator/2022-23.

2. शासन निर्णय,(सुप्रमा) क्रमांक - यंत्रख - २०२१/प्र.क्र.२०८/प्रशा - १
दिनांक : १५ डिसेंबर २०२३.

3. Sanction of Tender Approval Committee Meeting No. 186
Date : 28.02.2024

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 (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1	Pediatric and Neonatal Ventilator Make & Model : Draeger Babylog VN600	As per Annexure X	128	20,97,966.75/-	26,85,39,744/-

Total amount in words: Rupees Twenty Six Crore Eighty Five Lakh Thirty Nine Thousand Seven Hundred and Fourty Four Only.

Factory Location: Draegerwerk AG & Co. KGaA, Moislinger Allee 53-55, 23558, Lubeck, Germany
Telford (P.A., USA), Maharashtra (India).


- 1 **Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- 2 **Delivery Period:** 12 weeks from the date of receipt of order by the supplier to the consignee attached.
- 3 **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

- 4 **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 **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
- 7 **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
- 8 **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.
- 9 **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 (excluding taxes) 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.
- 10 **Contract Agreement:** Bidder should submit Contract Agreement on non-judicial stamp paper of requisite value.

Fall Clause

It is a condition of the contract that all through the currency there of, 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.

11 **Consignee:** As per list enclosed


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: As Per Consignee List.: As per Tender Condition No.17 The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Order value (excluding taxes) 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

**Technical Specification for Pediatric and Neonatal Ventilator
Specifications for Paediatric and Neonatal Ventilator**

GENERAL		
1. USE		
1.1	Clinical purpose	To provide automated, alveolar ventilator support for patients in emergency situations.
1.2	Used by clinical department/ward	Emergency /Critical Care (NICU/PICU)
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> 1) Should have facility for Invasive and Non-Invasive ventilation; 2) Should be microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for Neonatal (including premature) to Paediatric ventilation. 3) It should be useful for weight category 500 gm upto 30 kg in all modes (conventional, advanced) and upto 10 kg for high-frequency oscillatory ventilation. 4) The bidder should quote the latest model. 5) The machine should have power on self test to calibrate the circuit compliance , leak, PEEP valve, O2 cell, flow sensor etc 6) Shall be supplied with external/ inbuilt compressor air source and with facility to be used with central compressor source (if available at the user end) and auto -switch functionbetween central and machine compressed air source. 7) Compressed medical grade air source should be (CE(NB) or US FDA certified) with auto drain valve as applicable. 8) Humidifier -Servo controlled with digital monitoring of inspired gas temperature and with standard accessories US FDA or European CE Notified body certified 9) Ventilator. Humidifier and compressor air source mounted on the same trolley. Trolley shall be rust free and should not topple at 15 degree with lockable castor and certified by the supplier 10) High frequency oscillator should be of membrane or equivalent technology with active expiration mechanism. 11) Should have modes of ventilation equipped with newer modes of ventilation:

		<p>11.1) Assist/ Control 11.2) Volume Guarantee in all modes, including HFO 11.3) Pressure control 11.4) SIMV mode 11.5) SIMV (TCPL with cont. flow, Pressure Control and volume guarantee) with pressure support, SIMV + VG 11.6) High frequency Oscillatory ventilation Mode with VG 11.7) SIMV Mode + PSV 11.8) Non-invasive ventilation CPAP, High flow O2, NIPPV 11.9) Apnoea ventilation, user selectable. 11.10) Volume guarantee/ target & Volume limit mode for neonatal ventilation for relevant mode</p> <p>12) Should have built in colour screen TFT/LCD display of minimum 12" for display of waveforms and monitored value;</p> <p>13) Display - Waveforms/ Curves: Pressure, Flow, Volume with user selection. All 3 waveforms should be visible at the same time Loops: Pressure Volume, Flow Volume. Set/Measured parameters should be available simultaneously along with Loops/Waveforms for doing changes if required</p> <p>14) Should have facility to measure and display of the following parameters: 14.1) Airway Pressure (Peak & Mean) 14.2) Tidal volume (Inspired & Expired) 14.3) Minute volume (Expired) 14.4) Respiratory mechanics 14.5) Spontaneous Minute Volume 14.6) Total Frequency 14.7) DCO2 14.8) Resistance (Rinsp & Rexp) & Compliance (Cdyn & C20/C)</p> <p>15) Should have following setting; 15.1) Tidal volume (Minimum 2ml, Maximum 200 ml or more ml); pre-set range for both neonatal & paediatric modes to be provided in VG Mode 15.2) Inspiratory pressure (upto 60cm of H2O); 15.3) Respiratory rate 1 to 80 bpm; 15.4) Apnoea back up rate; 15.5) CPAP/PEEP 0- 30 cm; 15.6) Pressure support 4 to 60cm; 15.7) FiO2 setting range between 21% and 100%; 15.8) Pressure/flow Trigger; 15.9) Inspiratory flow up to 30 Lpm; 15.10) MAP upto 40 cm in HFO mode 15.11) HFO – 5 Hz to 15Hz 15.12) User selectable amplitude (10-100%) 5-90 mbar</p> <p>16) Should have following facility 16.1) Preoxygenation: for suction sequence with variable FiO2 16.2) Leak compensation or leak adaptation available in all operative's modes with peritubal leak monitoring</p>
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2.4	Software and/or standard of communication (where ever required)	<p>1) Inbuilt software;</p> <p>2) Convenient and quick USB interface;</p> <p>3) Software upgrades to be provided free of cost.</p>
3. PHYSICAL CHARACTERISTICS		
3.1	Dimensions (metric)	NA
3.2	Configuration	<p>1) Compatible hinged arm for holding the circuit;</p> <p>2) Should have caster wheels with braking system;</p>
3.3	Noise (in dBA), heat dissipation	<p>1) Noise of device operation max- 50dB;</p> <p>2) Should have audio visual alarm for battery low, source gas low and high/ low pressure in the breathing circuit or source gas inlet;</p> <p>3) Should maintain nominal Temp of the control unit and the heat should be disbursed through an cooling mechanism;</p> <p>4) Alarm volume – as per international norms and user selectable</p>
3.4	Mobility, portability	Yes
4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)		
4.1	Power Requirements	Input voltage 220 VAC, 50Hz;
4.2	Battery operated	<p>1) Battery powered, silenceable alarm for power failure.</p> <p>2) Battery charger to be integral to mains power supply. and to charge battery during mains power operation of unit.</p> <p>3) Total battery back-up (internal + external) of 2 hours for complete system in all modes including HFO</p> <p>4) Shall be supplied with true online UPS with voltage stabilization for wide fluctuation, batteries and Isolation Transformer mounted on a trolley.</p>
1) 5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	Accessories & Spares	1) All the accessories and consumables supplied with the machine have to be compatible. The bidder should mention the make and model of the item as applicable.

		<ol style="list-style-type: none"> 2) Ventilator with trolley- 01 3) Disposable Heat Moisture Exchanger, qty 100 to be supplied with unit for paediatric use (all interface sizes for New-born weight category 1-1.5 kg and 1.5 to 2.5 kg and for paediatric 5-10 kg, 11 to 15 kg, 16-25 kg) 4) Full face mask- 5 Nos each of all sizes for pediatric 5) Short Binasal cannula for neonates- Disposable 20 Nos each, of sizes mentioned above 6) Interface for Non- Invasive ventilation for neonates- Disposable Nasal masks 20 no each all sizes. 7) Reusable breathing circuit of silicone material (4 Nos) (2 for new born and 2 for paediatric if separate) and Disposable breathing circuits 20 Qty each (Circuit should be the same for HFOV and conventional ventilation) 8) All circuit with embedded heater wire in inspiratory and expiratory limbs. 9) Air hose (Two- one for external compressor and another for central compressor) & oxygen hose- One 10) Humidifier Chamber Reusable Qty 2 11) Heater wire adapter Qty 2 12) Temperature probe and sensor Qty 2 13) Proximal Flow sensor reusable qty 4 (2 paediatric and 2 neonatal) autoclavable 14) Oxygen cell / sensor should be covered under warranty 15) Preventive maintenance kit necessary for functioning of equipment to be supplied free under warranty 16) Nebulizer compatible for in-line nebulization Qty 1 with compatible inline Connector Qty 4 17) Circuits for Non-Invasive ventilation (Neonatal/Paediatric) Disposable 10 Qty 18) All spares and consumables should be available for at least 10 years, and spare price list to be fixed for 5 years at the time.
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	<ol style="list-style-type: none"> 1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances. 2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	<ol style="list-style-type: none"> 1) Complete unit to be easily sterilisable using alcohol and other chemical agents.
7. STANDARDS AND SAFETY		
7.1	Certifications	<ol style="list-style-type: none"> 1) US FDA or CE (EU) from notified body for ventilator, compressor and humidifier. 2) Relevant IEC-60601-Part 1 & 2, certificates by a notified agency (certificate to be submitted)

8. TRAINING AND INSTALLATION		
8.1	Requirements for sign-off	<ol style="list-style-type: none"> 1) Supplier to perform installation, safety and operation checks before handover; 2) Local clinical staff to affirm completion of installation
8.2	Training of staff (medical, paramedical, technicians)	<ol style="list-style-type: none"> 1) Training of users in operation and basic maintenance shall be provided; 2) Advanced maintenance tasks required shall be documented 3) Demonstration of quoted equipment model is a must 4) Should have local service facility. The service provider should have the necessary equipment's recommended by the manufacturer to carry out preventive maintenance test as per <u>guidelines provided in the service/maintenance manual</u>
9. WARRANTY AND MAINTENANCE		
9.1	Warranty	1) Comprehensive warranty for minimum 2 years (It will include ventilator, compressor, humidifier, Nebuliser, Trolley, UPS, Batteries)
9.2	Maintenance tasks	<ol style="list-style-type: none"> 1) Maintenance manual detailing; 2) Complete maintenance schedule; 3) FLUK meter demonstration and calibration as part of <u>preventive maintenance</u>
9.3	Service contract clauses, including prices	<ol style="list-style-type: none"> 1) The spare, accessories & consumables price list required for maintenance and repairs in future after guarantee / warranty period should be attached; 2) Free servicing during warranty period;
3) 10. DOCUMENTATION		
10	Operating manuals, service manuals, other manuals	<p>Should provide (hardcopy) of:-</p> <ol style="list-style-type: none"> 1) User, technical, maintenance and service manuals to be supplied along with machine diagrams; 2) List of equipment and procedures required for routine calibration and routine maintenance; 3) Certificate of calibration to be provided by the manufacture; 4) Manufacturer or principal company should sign and stamp the brochure/catalogue/operating manual
10	Other accompanying documents	1) List to be provided of important spares and accessories, with their part numbers and cost should be provided after technical bid .
11. NOTES		
11	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	<ol style="list-style-type: none"> 1) Contact details of manufacturer, supplier and local service agent to be provided; 2) Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer;

Consignee Details

M/s. Draeger India Pvt. Ltd of Authorised Dealer M/s Med Xpress Pharma India LLP		
Pediatric and Neonatal Ventilator		
Make & Model : Draeger Babylog VN600		
Delivery Period	06 weeks	
PO Ref. No.	No.: 7973/Haffkine/Procurement Cell/RT-4335/Pediatric and Neonatal Ventilator/ 2022-23. Date: 05.09.2024	
	दि: १५.१२.२०२३ प्रशासकीय सजूर निधी (प्रतिनग) २२,९१,०००/- (DMER २०२३-२४) (Qty.- १२८)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	St.George HoSpital, Mumbai	17
2)	Dr.V.M. GMC & Ch. Shi. M. General Hospital, Solapur	02
3)	GMC & Hospital, Akola	20
4)	GMC & Hospital, Jalgaon	02
5)	GMC, Miraj	10
6)	GMC & Hospital, Nagpur	05
7)	GMC & General Hospital, Baramati	4
8)	K.Ch.Shahu. M.GMC & Ch.Pr. General Hospital, Kolhapur	25
9)	Shri. Bhau Hire GMC & Hospital, Dhule	08
10)	Sw. R.T.GMC & Hospital, Ambajogai	10
11)	B.J. GMC & Sasson Hospital, Pune	10
12)	GMC & Hospital, Chandrapur	15
	Total	128


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

