

**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****दि: ३०.०१.२०२० प्रशासकीय मंजूर तिथि****३५,००,०००/- (State Plan २०१९-२०) (Qty.- 01)****Website : http://www.vaccinehaffkine.com****E-mail: procurementcell@haffkinemumbai.com****No.: 6328 /Haffkine/Procurement Cell/E-2180/ Repeat Order/ Neonatal Hybrid Ventilator/ 2021-22.****Date: 04/02/22****To,****M/s. Life Care Bio-Medical Pvt. Ltd.,**

303/304, The Corporate Centre,

Nirmal Life Style, Near Shoppers Stop,

L.B.S. Marg, Mulund (W). Mumbai – 400080.

Contact No.: 9321144503.

E-Mail: info@lifecarebiomedical.com**Subject : Supply Order for Tender No. E-2180/ Neonatal Hybrid Ventilator.****Reference: 1. Tender No. E-2180/HBPCL/PC/ Neonatal Hybrid Ventilator/2019-20.****2. 5315/ Haffkine/Procurement Cell/ E-2180/ Neonatal Hybrid Ventilator/ 2021-22. Date: 04.09.2021****3. शासननिर्णय, क्रमांक - एखप्र-२०२०/प्र.क्र.४८/प्रशा-१****दिनांक : ३० जानेवारी, २०२०.****4. Sanction of Tender Approval Committee Meeting No. 139****Dated :- 13.01.2021.**

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	Neonatal Hybrid Ventilator Make: Acutronic Medical Model : Fabian HFO	As per Annexure X	01	29,40,140/-	29,40,140/-
Total amount in words: Rupees Twenty Nine Lakhs Fourty Thousand One Hundred Fourty Only.					
Factory Location: Acutronic Medical Systems AG (A Vyair Medical Company) Fabrik IM Schiffli 8816 Hirzel Switzerland.					

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 12 weeks from the date of receipt of order by the supplier to the consignee attached.
- 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 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 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 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 44,102/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 88,204/-** 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 B P C L (Procurement Cell), CESS Account
Name of the Bank & Branch	Bank of Maharashtra, Branch- Mumbai Parel
Account No.	60381379835
IFSC Code	MAHB0000079

Consignee: As per list enclosed

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता



Mrs. Sushama Patil
General Manager
(Additional Charge)

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: **Dean, Government Medical College & Hospital, Aurangabad.:** 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

Sr. No.	Technical Specification for Neonatal Hybrid Ventilator
1.	NICU ventilator provide artificial respiratory support to critical new borns in the neonatal intensive care units.
2.	Operational Requirements: a. Microprocessor controlled ventilator with integrated facility for ventilation monitoring suitable for new born ventilation
	B. Demonstration of the equipment is a must.
3.	Technical Specifications: a) The ventilator should be microprocessor controlled designed for neonatal use with possibility to upgrade with additional features.
	b) Continuous flow, pressure limited, time cycled ventilator design.
	c) Ventilator modes should have following modes available in the unit.
	1. IMV/IPPV/CMC
	2. CPAP including non-invasive ventilation
	3. SIMV, SIPPV/Assist control/PTV
	4. Volume targeted/guarantee and / or Vol. Limit mode of ventilation should be able to deliver and monitor tidal volume as low as 4 ml (Range 4 ml to 50 ml)
	5. Pressure support mode of ventilation
	6. Apnea back-up ventilation
	7. Pressure Controlled High frequency Oscillatory Ventilation with sigh
4.	Should have integrated high resolution good display visibility from a distance of 2 meters, with touch screen, touch pad facility for real time display of scalar (Pressure, Flow and volume against time) and loop (Pressure flow, volume and pressure versus time with a facility to freeze the same
	5. Should have graphical or tubular trend facility of data up to 24 Hrs.
6.	Digital display of FiO ₂ , Peak pressure, mean airway pressure, CPAP/PEEP, Expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, I:E ratio, lung function monitoring (including compliance, resistance etc.)
	7. Should have built-in logbook for recording events like various alarms.
8.	Integrated monitoring integrated volume and pressure monitoring i.e. monitoring of PEEP P _{max} , P _{mean} and VT MV and in percentage.
	9. Setting range:
	i) Trigger Flow/Volume leak adapted
	ii) PIP 10 to 30 cm H ₂ O
	iii) I:E ration 1:5 to 5:3
	v) Insp. Time 0.2 to 1.2 sec
	vi) Exp. Time 0.2 to 1.2 sec
	vii) Frequency upto 100 BPM HFOV 5 TO 20Hz
	viii) MAP 3 to 40 mbar (or Hpa or cm H ₂ O) pressure amplitude
	10. Tidal volume (VT hf) 0.2 to 40 MI
	11. Sigh pressure rate (p high) 8 to 80 mbar (or 1) pa or cm H ₂ O)
	12. Respiratory rate of sigh 0.01 to 3 s
	13. Integrated blender for Oxygen 21% to 100%
14.	Integrated inline nebulization facility compatible with inspiration limb of patient circuit preferably in built (Desirable)
	15. Integrated monitoring of FiO ₂
	16. Monitoring of flow: at the Y piece with facility to activate or deactivate it.
	17. Ventilator should have following features in pressure support / volume guarantee
	18. Volume guarantee should be regulated with lowest possible airway pressure within a set PIP
	19. It should be possible to adjust the volume Guarantee manually as per patient requirement.
20.	Audiovisual alarms with advisory on-screen message: MV high/Low Apnea, tube obstruction FiO ₂ high/low PIP. Low PEEP/CPAP, fail to cycle, gas supply low power failure ventilator inoperative, alarm log book
21.	The ventilator should show trends of important parameters viz C, R FiO ₂ , MAP etc. for evaluation of patient improvement.


22.	HFNC, Bilevel PAP 1. Machine should have automatic calibration for sensor
23.	System configuration accessories spares and consumables:
24.	Ventilator should be supplied with inbuilt good quality medical air compressor (European CE marked) for Compressor can be OEM or same manufacturer.
25.	Battery backup (at least 30 minutes) Battery should be integrated and complete machine in all modes including Air source.
26.	Should be supplied with ultrasonic nebulizer which should have capability to deliver particle size of 3 micron and to be used in both off and on line with ventilator
27.	Should have Electronic O2 sensor
28.	Ventilation compressor or humidifier on same trolley with wheels and brake facility.
29.	Circuit support Arm
30.	2 hours sets for conventional reusable neonatal ventilation circuit & 2 (total 4 reusable circuit per machine)
31.	5 house sets of Disposable conventional neonatal ventilation circuit
32.	Humidifier.
33.	The servo controlled heated wire Humidifier should be supplied along with Reusable patient circuit. The humidifier must be USFDA approved or European CE certified.
34.	Autoclavable humidifier chamber (2 with each ventilator)
35.	Heater wire (3 each)
36.	Temperature probe (3 each)
37.	Guide wire for insertion of heater wire (3 each)
38.	Bacterial filters
39.	Proximal flow sensors (20 sets with each ventilator) 4 Reusable (10 Disposable)
40.	Oxygen Cell
41.	Oxygen connecting hose
42.	Air Connecting hose
43.	Test lung.
44.	Expiratory valve (2 with each) if available
45.	Nasal interface (3 in number) with nasal mask (10 each of all size) and nasal prongs (10 each of all sizes) and bonnet (20 each of preterm and term size) with each ventilator.
46.	The ventilation should have following options
47.	RS 232C/USB for data transfer and software compatible with windows
48.	Communication interface with laptop
49.	PC software for archiving and analysis
50.	Provision for future software/hardware upgrades should be available
51.	Or Galvanic which should be replaced under warranty with No additional cost.
52.	Environment factor:
53.	The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg, C and relative humidity of 15-90%
54.	The unit shall be capable of operating continuously in ambient temperature of 10-40 deg C and Relative humidit of 15-90%
55.	It should be supplied complete circuits compatible with non-invasive ventilation for 20 patients for full term and preterm (total 40)
56.	Should supply any other item which necessary is for installation & Ideal functioning of ventilator at the site.
57.	The unit shall be capable of operating continuously in ambient temperature of 10 40 deg c and relative humidity of 15-90%
58.	Shall meet IEC-60601.2:2001 (or equivalent BIS) General requirements of safety for Electromagnetic compatibility or should comply with 89/366 EEC, EMC directive.
59.	Power supply: a) Power input to be 220-240 VAC, 50 Hz fitted with Indian plug b) UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.
60.	Standards, safety and training: a) Should be FDA, Or European CE approved product. b) Should have HFOV mode approved by FDA or European CE for use in babies

	weighing 1 kg to 10 kg
	c) Shall meet the safety requirements as per IEC 60601-2-27:1994 Medical electrical equipment-part 2: particular requirements for the safety Electrocardiographic monitoring equipment.
	d) Manufacturer/supplier should have ISO certificate for quality requirements for quality standards.
61.	Documentation
	a) User manual in English
	b) Services manual in English. Training DC/DVD
	c) Quoted firm should have a functional local service setup for after sales service.
	d) List of Equipment's available for providing calibration and routine preventive maintenance support as per manufacturer documentation in service/technical manual.
	e) Certificate of calibration and inspection.
	f) Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and coasting.
62.	Must submit user list and performance report within last 5 years from major hospitals.
63.	Company should certify that model quoted is latest and not obsolete, and spares are available for minimum 5 years after warranty.

Consignee Details

M/s. Life Care Bio-Medical Pvt. Ltd.		
Neonatal Hybrid Ventilator		
Make: Acutronic Medical & Model : Fabian HFO		
Delivery Period	12 weeks	
PO Ref. No.	No.: 6328 /Haffkine/Procurement Cell/E-2180/ Repeat Order/ Neonatal Hybrid Ventilator/ 2021-22. Date: 04/02/22	
	दि: ३०.०१.२०२० प्रशासकीय मंजूर निधी ३५,००,०००/- (State Plan २०१९-२०) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & Hospital, Aurangabad.	01
	Total	01

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