

**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
प्रशासकीय मान्यता निधी ३०,६०,०००/- २०१९-२०२० PG Upgradation	No.: 5554/Haffkine/Procurement Cell/E-3174/Anaesthesia Workstation Adult With 1 Vapouriser/2021-22 Date: 27.11.2021

To,**M/s. BPL Medical Technologies Private Limited**11th KM, Bannerghatta Road,

Arekere Bangalore - 560076.

E-Mail: sashi.bhushan@bpl.in**Subject :** Supply Order for Tender No. E-3174/Anaesthesia Workstation Adult With 1 Vapouriser**Reference:** 1. Tender No. E-3174/HBPCL/PC/Anaesthesia Workstation Adult With 1 Vapouriser /2020-21
2. शा.नि.क्र.: आयसीएन-२०२०/प्र.क्र.७९/प्रशा-१ दि. १३.०३.२०२०
3. Sanction of Tender Approval Committee Meeting Dated 27.10.2021

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	Anaesthesia Workstation Adult With 1 Vapouriser Make & Model : BPL & Model : EFLO7	As per Annexure X	03	10,20,000/-	30,60,000/-

Total amount in words: Rupees Thirty Lakh Sixty Thousand Only.**Factory Location:** M/s. BPL Medical Technologies Pvt. Ltd. BPL Works Palakkad Kerala - 678007.

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 06 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 **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 (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.
- 11 **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 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% ie. **Rs. 45,900/-** of order value to meet other incidental expenditure and 3% i-e **Rs. 91,800/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee Should be Valid for 2 months after the expiry 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

या. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Bawiskar

Dr. Vijay P. Bawiskar
General Manager - 1

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, Indira Gandhi Government Medical College, Nagpur. : 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

Specification of Anaesthesia Workstation Adult With 1 Vapouriser

DESCRIPTION

Anaesthesia Workstation Suitable for use on Infant & Adult With One Vaporizer.

Pneumatics Description

- With PIN Indexed Gas yokes for O₂ & N₂O. One for O₂ and One yoke for N₂O
- Diameter Indexed Safety system connectors for O₂, N₂O & AIR
- Central Pipeline inlets for O₂, N₂O & AIR
- Supplied with Colour Coded High pressure tubings 5 meter length for O₂, N₂O, AIR
- Colour coded pressure Guages for O₂, N₂O for Cylinder pressure and O₂, N₂O, AIR for Central line pressure
- Electronic O₂ Inlet pressure sensing with alarm limits setting
- Pipe line input pressure 280kPa to 600 kPa

Anaesthesia Delivery System

- Flowmeter with Digital Display
- Individual digital display for O₂, N₂O, AIR flow
- Single Tube Back up flow meter for Mix gas
- Virtual Flow Tubes on screen
- Flow range 0-10 lpm for O₂, N₂O & AIR
- Suitable for low flow and minimal flow application
- Hypoxic Safety guard, which maintains 25% oxygen in fresh gas mixture.
- Nitrous Oxide cut-off in absence of Oxygen gas.
- ACGO function for Closed to Open circuit switching
- Separate ACGO Outlet 22mm OD and 15mm ID
- Auxiliary O₂ flow meter (Option)
- Gas failure alarm.
- Two station Selectatec Back bar with interlocking facility
- Any selectatec vaporiser will fit in
- Oxygen flush 25-75 lpm

Breathing system

- Integrated breathing system
- Circle mode and CO₂ absorbent canister
- ACGO function will switch to open circuit mode
- Breathing system is very easy to remove without the help of any tools
- All gas connections are internal- Metal adaptors used for internal gas connections to avoid wear and tear.
- Leak proof system
- Removable Pressure manometer to monitor Patient Airway pressure
- Integrated Adjustable Pressure Limit (APL) Valve 0 -70 cmH₂O, Non sticky and Unidirectional flow

- Manual Ventilation Bag arm with pressure testing point
- Bi stable Bag-Mechanical ventilator switch activated ventilator with one step operation. Switch controls the gas flow direction in the breathing system.
- FiO₂ Monitoring using Galvanic O₂ cell
- Inspiratory and Expiratory reusable flow sensor (Autoclavable) to measure the Inspiratory and Expiratory Tidal Volumes. Both volumes are displayed on the screen
- 1.5 Litre single Carbon dioxide absorber canister with Bypass facility. Removable intra operatively without affecting ventilation.
- Heated breathing system to avoid water condensation and moisture.
- All patient materials in breathing system are latex free
- Breathing system is fully Autoclavable except FiO₂ cell and Removable pressure manometer. Flow sensors are reusable and Autoclavable.

Vaporiser (Optional)

- Selectatec type
- Available for Sevoflurane, Isoflurane, Halothane and Enflurane.
- Pour fill, Keyes Fill, Quick fill (Only for Sevoflurane)
- Temperature, Flow and Pressure compensated
- Maintenance free
- Agent capacity 250 ml
- Delivery range up to 6%

Anaesthesia Ventilator

- Integrated Microprocessor controlled Ventilator
- Pneumatically driven and Electronically controlled
- Advanced Proportional Solenoid Valve Technology to realise precise ventilation.
- Dual flow sensing
- Capable of Ventilating all patient group Paediatric to Adult patients
- Flow sensors are reusable and does not require daily maintenance
- Modes of Ventilation : VCV (Volume Control Ventilation), PCV (Pressure Control Ventilation), SMIV (P) + PS (Pressure Control with Pressure Support), SIMV (V)-PS
- Electronic PEEP
- Fresh Gas Compensation and Compliance Compensation.
- Ventilator Parameter
 - Tidal Volume 20-1500 ml (VCV, SIMV (V) + PS) Incremental setting 20 to 100 ml (increments of 5 ml) 100 to 1000ml (increments of 10 ml) 1000 to 1500 ml (increments of 50 ml)
 - Minute Volume 0-60lpm
 - Airway Pressure Pin spired 5-70 cm H₂o (Increments of 1 cmH₂o)
 - Plimit PEEP + 5-100 cmH₂o
 - Psupport 5-60 cm H₂o (Increment of 1cmH₂o)
 - Respiratory rate 4-60 bpm for VCv, SIMV(P)+PS (increment of 1 bpm)

- I.E. Ratio 3:1-1:6 (increment of 0.1 seconds)
- PEEP –Integrated Electronic PEEP Range OFF, 4-20 cmH₂O (Increments of 1 cm H₂O)
- Flow trigger 1-15 lpm
- Screen size 10" Colour TFT 800*600 resolution
- Waveform Pressure- Time, Flow Time, Volume-Time
- LOOPS P-V, F-V, F-P
- Monitors
Vte, Vti, MV, Mvspont, Freq, Fspont, Ppeak, Pplat, Pmean, PEEP, I:E, Compliance, Resistance
- Ventilator setting review
- Same bellow for all patient groups.

Alarm System

- Audio and Visual alarms
- Colour coded alarm system with alarm messages
- Easy to identify the Critical and Non-critical alarms by way of colour coded messages and audible tone.
- Low and High Limit setting for Vte, frequency, Airway Pressure, Minute Volume, Inspiratory O₂ percentage, Inlet O₂ pressure, Apnea
- Alarms for AC Power failure, Oxygen Supply Malfunction, Continuous pressure, Insufficient Battery, negative pressure
- Alarm event review.

General Specification

- Active Anaesthesia Gas Scavenging System (AGSS)-Optional
- LED Reading light with On/Off function
- Guided menu instructions for testing the leakage and compliance at start up. In emergency test can be bypassed.
- User interface provided for entering the patient age and weight
- Handle provided for easy manoeuvrability
- Accessories hanging hooks-2 Nos
- Optical encoder knob for easy menu operations
- Short cut keys provided for quick access functions
- Electronic inlet CO₂ Pressure monitoring. User can set alarm limits for inlet O₂ pressure
- Altitude compensation
- Cardio Pulmonary Bypass mode.

Physical Specification

- Rigid Frame work and compact design
- The framework is made of metal and ABS, wherein the metal is galvanized A3, and it passes the 48h salt spray test.

- Weight of the machine only 86kg
- Package Volume 1570*975*750 mm³(H*W*D)
- 4" Castors 4 nos-Anti-Static
- Single foot lever locks and unlocks for two front casters
- Top shelf area 530*400 mm² (L*W) weight handling approximately 34 kg
- Two large spacious drawers
- Retractable multipurpose tray.

Upgrade Options

- SPO₂
- EtCO₂-Mainstream
- Mainstream AGM (Anaesthesia Gas Module) for 5 kinds of Agents with Auto Id with N₂O, EtCo₂, MAC
- Active AGSS (Anaesthesia Gas Scavenging System)
- Auxiliary O₂ flow meter
- Autoclavable Function for Absorber
- Gas and Agent Calculation package

Electrical Specification

- Power input 100-240 VAC 50 Hz
- Power Cord Length -5 Meters
- Auxiliary Power Outlets for connecting other equipments -3 Nos Fused power outlets are provided
- Built-in Lithium Battery 18.5 V 4AH
- Minimum 120 minutes back up during power failure
- Quick Charging- Typical charging time 8 hours

Communication Ports

- RS232, RJ45, PS2

Environmental Specification

- Temperature 10°C to 40°C
- Humidity 15% to 95%, non-condensing

Consignee Details

M/s. BPL Medical Technologies Private Limited		
Anaesthesia Workstation Adult With 1 Vapouriser		
Make & Model : BPL & Model : EFLO7		
Delivery Period	06 weeks	
PO Reference No.	No.: 5554 /Haffkine/Procurement Cell/E-3174/Anaesthesia Workstation Adult With 1 Vapouriser/2021-22 Date: 27.11.2021.	
प्रशासकीय मान्यता निधी ३०,६०,०००/- २०१९-२०२० PG Upgradation		
Sr. No.	Name & Address of the Consignee	Qty. (DMER)
1)	Indira Gandhi Government Medical College, Nagpur.	03
Total:		03

या. व्यवस्थापकीय संचालक पदाचा कार्यदेने व करिता

Bawiskar

Dr. Vijay P. Bawiskar

General Manager - 1

Haffkine Bio Pharmaceutical Corporation Ltd.

(Procurement Cell), Mumbai.