



**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED**  
**Procurement Cell**

**( A Government of Maharashtra Undertaking)**

**Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)**

<b>Phone No: 022- 24129320-23</b>	<b>Website : http://www.vaccinehaffkine.com</b>
<b>Managing Director :022-24150628</b>	<b>E-mail: procurementcell@haffkinemumbai.com</b>
<b>General Manager (Procurement Cell) :022-24100478</b>	<b>No.: 6375 /Haffkine/Procurement Cell/E-3765/</b>
<b>दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी</b>	<b>Computerised Body Plethysmography System with</b>
<b>५५,४८,२५६/- (State Plan २०२०-२१) (Qty.- 01)</b>	<b>Module for Diffusion Measurement with Cart (P.F.T &amp; D.L.C.O)/2021-22.</b>
	<b>Date: 23/02/22</b>

**To,**

**M/s. Biotronics Equipments Pvt. Ltd.,**

401, Bangashree Tower, Daji Ramchandra Road,

Opp. Pawar Industrial Estate, Charai, Thane (W).

Contact No.: 9870593353.

**E-Mail: [info@biotronicsindia.com](mailto:info@biotronicsindia.com)**

**Subject : Supply Order for Tender No. E-3765/Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T & D.L.C.O).**

**Reference: 1. Tender No. E-3765/HBPCL/PC/ Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T & D.L.C.O)/2021-22.**

**2. शासननिर्णय, क्रमांक - जीएचपी-२०२०/प्र.क्र.३२६/प्रशा-१**  
**दिनांक : २४ फेब्रुवारी, २०२१.**

**3. Sanction of Tender Approval Committee Meeting No. 141**  
**Dated :- 27.01.2022**

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.

<b>Sr. No.</b>	<b>Name of the item</b>	<b>Specification of item</b>	<b>Quantity / Unit (DMER)</b>	<b>Unit Rate inclusive of GST(Rs.)</b>	<b>Total Amount Rs.</b>
<b>1</b>	<b>Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T &amp; D.L.C.O)</b> <b>Make : Medisoft, Belgium</b> <b>Model : Body Box</b>	<b>As per Annexure X</b>	<b>01</b>	<b>25,20,000/-</b>	<b>25,20,000/-</b>
<b>Total amount in words: Rupees Twenty Five Lakhs Twenty Thousand Only.</b>					
<b>Factory Location: Medisoft SA PAE de Sorinnes, 1, Route de la Voie Cui vree, 5503 Sorinnes, Dinant, Belgium.</b>					

- 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.

- 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 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. 37,800/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 75,600/-** 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

म. 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 & General Hospital, Baramati. **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 Specifications for Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T & D.L.C.O)

The supplement system preferably determine closing volumes
Slow and forced spirometer ( inspiratory and expiratory flow-volume loop)
ITGV and Lung Sub volumes,
Airway Resistance, Conductance and specific resistance Closing volume,
Single breath diffusion and Intrabreath Diffusion.
The system should measure the following parameters :
Slow and forced spirometry :
VT,BF,ERV,FVC,FEV1,VCin, VCex,MEF50, MEF25,MEF75,PEF,MVV,etc.
Lung sub – volumes
Intra thoracic Gas volume (ITGV), Residual volume (RV), Total Lung capacity (TLC). RV% TLC etc.
Rtot, Rtin, RtEx, Reff, Reff in , R0.5, Rmid,Gtot,SRtot,RAW,sRAW , GAW, sGAW
Resistance and conductance able to manually select/deselect the resistance &ITGV curve & parameters in addition to auto mode
Diffusion capacity of the Lungs (DLCO) by single Breath and Intrabreath Measurements.
The system should have a Ultrasonic/Pneumotach flow sensor meeting ATS/ERS guidelines range 0-14 L/sec or more as per ATS ERS guidelines
Range =should be 0-18 L/sec,bidirectional.
Accuracy = at least +/- 3% or more
Resistance = should be less than 0.15 kpa/lit/sec.at 14 l/sec.
The body box should be a volume constant box with integrated sensors for box and mouth pressure, with a volume of 800 liters or more
The Body box should have a height-adjustable seat.
The Box should have a flexible arm that can be extended for measurements outside the box.
A one way intercom system or communication between the patient and the operator should be available.
The body box should have a fully computerized calibration procedure for shutter pressure, Box volume &leakage time of Box
The box door lock should have a suitable Manual or electromagnetic mechanism for easy and tight door closure
The single breath & Intrabreath Diffusion module should have fast response multi gas analyser with the following specification.
CO/CH4 gas or Helium gas analyzer for measurement of carbon monoxide for DLCO Parameter and methane tracer gas or Helium gas for residual volume measurement
Type : infrared,
Range : 0 to 0.33% volume,
Response time less than 150ms.
Suitable pressure reducer for release of gas sample from the cylinder should be provided.
A suitable ambient module for measurement of ambient conditions (temperature, pressure and Relative humidity) should be part of the system.
Communication between Body box module and PC system should be via USB interface.
PC should have the following minimum specification:
-Dual Core 2 G.0 Hz or above, with 8GB RAM and 500 GB HDD,
-Windows 10 Pro with MS SQL data platform,
-24" TFT screen and color printer.
The following software features must be present in the pulmonary operating system
a. Multi – format outputs,


- b. Auto interpretation.
- c. ATS/ERS quality check.
- d. Physicians comment.
- e. Report designer module for customized report
- f. Predicted values editor.

System should be compatible for future upgradation

#### Consignee Details

M/s. Biotronics Equipments Pvt. Ltd.		
Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T & D.L.C.O) Make : Medisoft, Belgium & Model : Body Box		
Delivery Period	12 weeks	
PO Ref. No.	No.: 6375 /Haffkine/ Procurement Cell/ E-3765/ Computerised Body Plethysmography System with Module for Diffusion Measurement with Cart (P.F.T & D.L.C.O)/2021-22. Date: 23/02/22	
दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी ५५,४८,२५६/- (State Plan २०२०-२१) (Qty.- 01)		
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & General Hospital, Baramati.	01
	Total	01

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

  
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