



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

No.: 6059 /Haffkine/Procurement Cell/E-4126/
Digital Physiograph/2021-22.

दि: १८.०५.२०२१ प्रशासकीय मंजूर निधी

Date: 30.12.2021

₹३,६०,०००/- (State Plan २०२१-२२) (Qty.- 03)

To,

M/s. G. K. Medicals & Engineers,

Flat No. 105, Plot No. B-50,

Grandeur Park Apartment, J-Park,

Mahanagar Extension, Lucknow-226006.

Contact No.: 9695606629.

E-Mail: gkmedicalsengineers@yahoo.com

Subject : Supply Order for Tender No. E-4126/ Digital Physiograph.

Reference: 1. Tender No. E-4126/HBPCL/PC/Digital Physiograph/2021-22.

2. शासननिर्णय, क्रमांक - यंसाख-२०२१/प्र.क्र.१७८/प्रशा-१

दिनांक : १८ मे, २०२१.

3. Sanction of Tender Approval Committee Meeting No. 134

Dated :- 16.12.2021

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	Digital Physiograph Make & Model: AD Instrument, PowerLab	As per Annexure X	03	11,14,400/-	33,43,200/-

Total amount in words: Rupees Thirty Three Lakhs Fourty Three Thousand Two Hundred Only.

Factory Location: ADInstruments Pty ltd, Unit 13, 22 Lexington Drive, Bella Vista, New South Wales 2153, Australia.

- 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. 50,148/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 1,00,296/-** 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


General Manager

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

या. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

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, Sindhudurg, Government Medical College, Satara & Government Medical College, Alibag.: 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 Digital Physiograph
1.	The system should include hardware, software and other related accessories for recording Pulse, Respiration, Blood pressure, Heart sound, Grip force, ECG, EMG, EEG, NCV, Pulse Transit Time, Pulse Wave Velocity, Respiration rate, Reflex & Reaction time, wireless HR etc.
2.	Should include 4 sensor based force platform for posture and sway analysis.
3.	Should be able to perform AFT procedures like Cold processor test, deep breathing test, Valsalva man oeuvre, HRV and Hand Grip test
4.	Force/ load Transducer (0-10kg) for mosso-ergometry experiment.
5.	Stethography transducers for breath holding experiment.
6.	System should have individually selectable input sensitivities, analog output for stimulation or pulse generation, high speed USB, isolated stimulator human safe & universal dual bio-amplifier
7.	Should have wide range of low Pass, high-pass, notch, mains filter and software based digital filters (low pass, high pass, band pass etc.)
8.	Bio-Amplifier – at least 2 Channels in built with range of $\pm 100\mu\text{V}$ to $\pm 20\text{Mv}$
9.	Variable sampling rate on all channel at-least 100Khz
10.	Isolated Stimulator – should be able to deliver square wave pulse of user defined parameters, Voltage range 0-10V, pulse duration range 1-1000Ms, frequency range 0-100 Hz and output current 0 -20 Ma User friendly software for recording, analysing and printing the data, the software should allow calibration of transducers, display of actual values, controllable gain, sampling filter settings, baseline, settings for event marking and annotation
11.	Software should be capable of measuring time interval between user selected points, display of data value at user selected point, editing of the records and re-annotation
12.	It should display data in scope mode and chart mode. It should allow calculation of rate, period, frequency , min, max, count, integral, derivative, height etc, from raw channels in offline as well as online mode
13.	Software should allow the export of raw data in .txt, .mat, .wav, .abf, .xpr, binary and .edf, formats
14.	Should have an option to integrate video camera for subject monitoring during the recording
15.	Software should allow OLE linking of data to MS Excel
16.	Software should support real time streaming of raw data streaming of raw data to MATLAB
17.	Software should perform On-line & Off-line analysis of ECG and HRV as follows. HRV analysis – Time & Frequency domains, Tachogram, Histogram plot, Poincare plot, Power Spectrum plot etc. ECG analysis- Averaging, PQRST amplitudes and intervals, QT vs RR, QT vs Time, Waterfall plot, ST elevation and cardiac axis analysis
18.	Power input to be 220-240V AC, 50Hz
19.	CE/FDA/EIC/BIS/ISO and other safety certificates must be provided.
20.	Company should have local office to provide on time service and support
21.	Company should have supplied similar products to major institutions and performance reports should be submitted.
22.	For human experiment, transducers/ electrode to perform following tests i.e. ECG,EEG, GSR, Pulse , Respiration, Hand dynamometer, Phonocardiogram & Temperature should be supplied

Consignee Details

M/s. G. K. Medicals & Engineers		
Digital Physiograph Make & Model: AD Instrument, PowerLab		
Delivery Period	12 weeks	
PO Ref. No.	No.: 6059 /Haffkine/Procurement Cell/E-4126/ Digital Physiograph/2021-22. Date: 30.12.2021	
	दि: १८.०५.२०२१ प्रशासकीय मंजूर निधी ३३,६०,०००/- (State Plan २०२१-२२) (Qty.- 03)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College, Sindhudurg.	01
2)	Government Medical College, Satara.	01
3)	Government Medical College, Alibag.	01
	Total	03



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

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