

**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****No.: 6632 /Haffkine/Procurement Cell/E-3755/
E.M.G/N.C.V Machine/ 2021-22.****दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी ७,५०,०००/-
(State Plan २०२०-२१) (Qty.- 01)****Date: 30/03/22****To,****M/s. Medicaid Systems,**

Plot No. 667, JLPL Industrial Park,

Sector 82, Mohali-140 306, Punjab (India).

Contact No.: 9322111020.

E-Mail: medicaidsys@gmail.com**ravi16kaushal@yahoo.com****Subject : Supply Order for Tender No. E-3755/E.M.G/N.C.V Machine.****Reference: 1. Tender No. E-3755/HBPCL/PC/E.M.G/N.C.V Machine/ 2021-22.****2. शासननिर्णय, क्रमांक - जीएचपी-२०२०/प्र.क्र. ३२६/प्रशा-१
दिनांक : २४ फेब्रुवारी, २०२१.****3. Sanction of Tender Approval Committee Meeting No. 143
Date : 18.02.2022.**

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.

Sr. No.	Name of the item	Specification of item	Quantity / Unit (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1	E.M.G/N.C.V Machine Make : Medcaid System Model : NeuroStim (NS-4)	As per Annexure X	01	6,49,600/-	6,49,600/-

Total amount in words: Rupees Six Lakhs Fourty Nine Thousand Six Hundred Only.**Factory Location: Plot No. 667, JLPL Industrial Park, Sector 82, Mohali-140 306, Punjab (India).**

- 1 Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- 2 Delivery Period:** 06 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 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.


- 11 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 9,744/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 19,488/-** 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

१. 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.: 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 of E.M.G /N.C.V Machine
It should acquire stores and review up to 4 channels of EMG data and 2 channels evoked potential (EP) Channels.
It should perform routine EMG system recording, EP, as well as nerve conductive velocity (NCV) diagnostic examination
<ul style="list-style-type: none"> • It should be Pre-amplifier operable with up to 4 EMG channels • High signal quality with USV data transmission, shielding the signal from power line interference. • It should consists of 3 standard EMG modules with 4 EP modules • Easy-to-understand illustrations of electrode placements, stimulation positions and standard waveforms • It should be Easy access to waveform data comparison • Ability to review and generate report for past cases • Display sensitivity : 0.05 $\mu\text{V}/\text{div}$~20,000$\mu\text{V}/\text{div}$, $\pm 10\%$ error. No precision requirements below 50$\mu\text{V}/\text{div}$. • Frequency-Amplitude Characteristics: 0.2Hz~10 kHz, error is +10% ~ 50% between 0.2Hz ~ ≤ 0.5 Hz, and error is +5% ~ -30% between >0.5Hz ~ 10 kHz • Scan speed: 1ms/div ~ 5000ms/div; error = $\pm 10\%$ • High-pass filter: 10Hz ~ 20,000Hz; error = $\pm 10\%$ ~ -30% • Low-pass filter: 0.1 Hz ~ 5000Hz; error = +10% ~-30% • Common mode Rejection Ratio: ≥ 110 dB; • Input impedance: $\geq 1000\text{M}\Omega$; • Noise Voltage: =0.4μV (RMS); • Resistance to Polarization Voltage: At ± 300 mV DC polarization voltage, bias is $\leq 5\%$. • Current Pulse Output Intensity: Maximum output 100mA; at 0mA ~ 4mA, step difference is 0.01mA. Error = $\pm 10\%$; • Pulse Output Frequency: 0.1Hz ~ 120 Hz, error = $\pm 10\%$; • Target Pulse Width: 50μS, 100μS, 200μS, 300μS, 500μS, 1000μS; error = $\pm 10\%$ • Stimulus Direction: Positive, Negative and Two-Way. <ul style="list-style-type: none"> A. Normal Mode (Acoustic Stimulation) Parameters • Stimulation Type: Short Tone, Pure Tone, White Noise. • Stimulation Frequency: 0.1 Hz ~100 Hz, error = $\pm 10\%$ • Target Signal Probability: 5% ~100%, error = $\pm 10\%$; • Stimulation Model (for Short Tone and Pure Tone only): Left Ear, Right Ear, Both Ears, Alternate Ears. • Short Tone Only • Short Tone Stimulation Phase: Sparse Wave, Dense wave, Alternating Waves; • Maximum short Tone Intensity: approx.. 120dB; • Pure Tone Only • Maximum short Tone Intensity: approx.. 130dB; • Pure Tone only • Maximum pure sound intensity: approx. 120dB;

- Pure Tone sound Frequency: 250Hz~7kHz, error = $\pm 10\%$;

- White Noise only

- Maximum white Noise Intensity: approx.. 100dB;

B. Multi-Frequency Auditory Steady-State Response (ASSR) Audio Stimulation Parameters

- Modulation Type: AM/FM

- Audio stimulation Intensity: -10dB ~ 130dB HL (Hearing Level), error within $\pm 10\%$

- Carrier Frequency: 250Hz - 8000r , error within $\pm 10\%$;

- Modulation Frequency: 20-200 Hz, error within $\pm 20\%$;

- Degree of AM: 0 sim100\% error within $\pm 30\%$;

- Degree of FM: 0 sim30\% error within $\pm 30\%$;

- AM/FM Phase Difference: 0 359 degrees, error within $\pm 30\%$;

C. Video Control Output Signal (Visual Stimulation)

- Checkerboard Image

- Monitor can be set to display full-screen checkerboard image with alternating black-and white tiles.

- Checkerboard display can be 4X3, 8X6, 16X12, 32X24, or 64 * 48

- Half-screen checkerboard display:

- Left-half or right-half of screen: 2 * 3, 4 * 6, 8 * 12 16X24, or 32X48 pattern

- Upper or lower half of screen 4x2, 8x3, 16x6, 32x12, or 64X24 pattern

- Quarter checkerboard display: 2 * 2.4 * 3.1 , 16x12, or 32X24 checkerboard pattern

- Horizontal Bar Grid image

- Full-screen black-and-white horizontal bar image: 1X3, 1x6, 1X12, 1X24 and 148

- Left-half or right-half of screen only: 1x3, 1X8, 1X12, 1X24 and 1X48,

- Top or bottom half of screen only: 1x2, 1x3, 1x6, 1X12 and 1X24

- Quarter screen display: 1X2, 1X3, 1x6, 1X12 and 1X24.

- Vertical Bar Grid Image

- Full-screen black-and-white alternating vertical bars: 4X1, 8X1, 18X1, 32X1, and 64X1

- Left half or right-half of screen only: 2X1, 4X1, 8X1, 16X1 and 32X1

- Top or bottom half of screen only: 4*1,8*1, 5 * 1, 32 * 1 and 64X1

- Quarter screen display: 2 * 1 4 * 1, 8 * 1, 16 * 1 and 432 * 1 . Stimulation Frequency: 0.1Hz - 1Hz, error = $\pm 10\%$;

- Target Signal Probability (P300 only): 5% - 100%, error = $\pm 10\%$;

- Non-target signal 1 Probability (P300 only): 5%-100%, error = $\pm 10\%$;

- Non-target signal 2 Probability (P300 only): 5% - 100%, error = $\pm 10\%$.

D. Goggles (Visual Stimulation)

- Stimulus Frequency: 1 Hz-50Hz, error = $\pm 10\%$;

- Stimulation Modes: Left Eye, Right Eye, Both Eyes, Alternate Eyes.

Nerve Conduction Velocity (NCV)

- It should have Waveform caching function enables saving of multiple waveforms with the same examination point
- It should have Screen display of individual F-wave, H-wave and overlay
- Display of latency and amplitude values with measurement lines for easy reference
- It must have CE from notified body.

Consignee Details

M/s. Medicaid Systems		
E.M.G/N.C.V Machine		
Make : Medicaid System & Model : NeuroStim (NS-4)		
Delivery Period	06 weeks	
PO Ref. No.	No.: 6632 /Haffkine/Procurement Cell/E-3755/ E.M.G/N.C.V Machine/2021-22. Date: 30/03/22	
	दि: २४.०२.२०२१ प्रशासकीय मंजूर निधी ७,५०,०००/- (State Plan २०२०-२१) (Qty.- 01)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	Government Medical College & General Hospital, Baramati.	01
	Total	01

वा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करित



Mrs. Sushama Patil
General Manager
(Additional Charge)

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