

**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 ४७,००,०००/-
राज्य योजना २०२१-२२**No.: 6436 /Haffkine/Procurement Cell/E-4342/ECG
Machine/2021-22.****Date: 4/03/22****To,****M/s. MULTITECH MEDICAL SYSTEMS PVT. LTD.**Flat No. 7, Avadh Apartment,
Krishna Colony Shikshak Nagar,
Paud Road, Kothrud,
Pune-411038.**E-Mail: knitin4@rediffmail.com****Subject : Supply Order for Tender No. E-4342/ECG Machine.****Reference:** 1. Tender No. E-4342/HBPCL/PC/ECG Machine/2021-22.

2. शा.नि.क्र. : यंत्रख-२०२१/प्र.क्र.२०८/प्रशा-१ दि. २० सप्टेंबर, २०२१.

3. Sanction of Tender Approval Committee Meeting No. 139 Dated 13.01.2022.

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.

Sr. No.	Name of the item	Specification of item	Quantity/ Unit (DMER)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1.	ECG Machine Make: Bionet Co. Ltd. Model : CARDIO7	As per Annexure X	47	1,03,040/-	48,42,880/-

Total amount in words: Rupees Forty Eight Lakhs Forty Two Thousand Eight Hundred Eighty Only.**Factory Location:** BIONET CO. LIMITED 5F, Dream Mark1, 61, Digital-ro 31 gil, Guru-gu, SEOUL, KOREA-08375 sales@ebionet.com stk@ebionet.com

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 4 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 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. 72,643.2/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 1,45,286.4/-** 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

ममः स्वतन्त्राधिकार संघालः यांच्या मान्यतेने व करिता


Smt. Sushama Patil
General Manager (Addl. 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: As per consignee List. : 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

GENERAL		
1. USE		
1.1	Clinical purpose	ECG Machine is a primary equipment to record ECG Signal in various configurations. 12 channels with interpretation is required for recording and analyzing the waveforms with an inbuilt software.
1.2	Used by clinical department/ward	All
1.3	Overview of functional requirements	<ol style="list-style-type: none"> 1. Allows display of single, 10 lead ECG or simultaneous display of at least 12 wave forms. 2. Compatible with pediatric and neonatal leads 3. Patient connectors that are sterilisable and reusable are preferred, though reusable cables that attach to disposable connection patches are also acceptable. 4. Hard copy printout of traces will be required.
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> 1. Should acquire simultaneous 12 lead ECG for both paediatric & neonatal patients. 2. Should have Real time Colour display (6 inch or more) of ECG waveforms with signal quality indication for each lead. 3. Should have Artifact, AC, and low and high pass frequency filters. 4. Should have a storage memory of at least 100 ECGs with easy transfer by modem and data card. 5. Should have full screen preview of ECG report for quality assessment checks prior to print. 6. Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and paediatric patients. 7. Should have alphanumeric Keyboard for patient data Entry. (virtual or hard keys). 8. Should have High resolution (25 mm/sec speed) digital array printer. 9. Should have report formats of 3x4; 6x2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead. 10. Should have battery capacity of at least 30 ECGs or 30 minutes of continuous rhythm recording on single charge. 11. Should be able to be connected to HIS/LAN/Wireless LAN. 12. Should display ECG on LCD/TFT Display of 640x480 pixel resolution. 13. USB Support for Storage on external portable memories. 14. Multimode of ECG Storage capability, 150 ECG on Internal Flash Memory
2.2	Settings	Cardiac arrhythmia, sensor/ wire disconnected, low battery
2.3	User's interface	Manual
2.4	Software and/or standard of communications	In built
3. PHYSICAL CHARACTERISTICS		
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	Less than 5 kgs
3.3	Configuration	Case is to be hard and splash proof.

		Display must allow easy viewing in all ambient light levels. Supplied in protective case for clean storage and safe transport.
3.4	Noise	
3.5	Heat dissipation	
3.6	Mobility, portability	
		4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)
4.1	Voltage (value, AC or DC, monophase or triphase)	220 to 240V, 50 Hz
4.2	Battery operated	Battery powered, silence able alarm for power failure. Battery charger to be integral to mains power supply, and to charge battery during mains power operation of unit. Internal, replaceable, rechargeable battery allows operation at least onehour in the event of power failure.
4.3	Tolerance (to variations, shutdowns)	Voltage corrector/stabilizer to allow operation at +_30% of local rated voltage.
4.4	Protection	Electrical protection provided by fuses in both live and neutral supply lines.
4.5	Power consumption	
4.6	Other energy supplies	Mains cable to be at least 3m length.
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	Accessories (mandatory, standard, optional)	12 lead ECG cable (Qty 2) with neonatal and pediatric leads Chest electrodes Paediatric-(set of six) -2 sets Limb Electrodes(set of 4)- 02 sets of Adult and 02 sets of Paediatrics Twelve channel ECG Machine mounted on trolley Trolley with lockable 4 swivel castor wheels
5.2	Spare parts (main ones)	Two sets of spare fuses (if non-resettable fuses used)
5.3	Consumables/reagents (open, closed system)	5 tubes electrode gel (if required) Thermal Paper for 500 patients
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	Atmosphere/Ambience (air conditioning, humidity, dust...)	Operating condition: - Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.
6.2	User's care, Cleaning, Disinfection & Sterility issues	The case is to be cleanable with alcohol or chlorine wipes.
7. STANDARDS AND SAFETY		
7.1	Certificates (pre-market, sanitary, ..), Performance and safety standards(specific to the device type); Local and/or international	Should be FDA/CE approved product; Manufacturer / supplier should have ISO 13485 certificate for quality standard. Electrical safety conforms to standards for electrical safety IEC -60601 -1. Shall meet IEC -60601-1-2 (General requirements for safety electromagnetic compatibility) and IEC 60601-2-25 (essential performance of electrocardiographs).
8. TRAINING AND INSTALLATION		
8.1	Pre-installation requirements: nature, values, quality, tolerance	Availability of 5 amp/15 amp. Electrical socket.
8.2	Requirements for sign-off	Supplier to perform installation, safety and operation checks before handover. Local clinical staff to affirm completion of installation.
8.3	Training of staff (medical, paramedical, technicians)	Training of users in operation and basic maintenance shall be provided. Advanced maintenance tasks required shall be documented.
9. WARRANTY AND MAINTENANCE		
9.1	Warranty	2 years

Consignee Details

M/s. MULTITECH MEDICAL SYSTEMS PVT. LTD.		
ECG Machine		
Make: Bionet Co. Ltd.		
Model : CARDIO7		
Delivery Period	04 weeks	
PO Ref. No.	No.: 6436 /Haffkine/Procurement Cell/E-4342/ECG Machine/ 2021-22. Date: 4/03/22	
प्रशासकीय मान्यता निधी ४७,००,०००/- राज्य योजना २०२१-२२		
Sr. No.	Name & Address of the Consignee	Oty. (DMER)
1	St. George Hospital, Mumbai.	01
2	Government Medical College & Hospital, Nanded.	04
3	Government Medical College & Hospital, Solapur.	03
4	Government Medical College & Hospital, Akola.	04
5	Government Medical College & Hospital, Aurangabad.	01
6	Government Medical College, Ayrangabad.	01
7	Government Medical College & Hospital, Gondia.	03
8	Government Medical College & Hospital, Jalgaon.	01
9	Government Medical College & Hospital, Miraj.	03
10	Government Medical College & Hospital, Nagpur.	01
11	Government Medical College & Hospital, Baramati.	02
12	Government Medical College & Hospital, Kolhapur.	01
13	Government Medical College & Hospital, Dhule.	03
14	Government Medical College & Hospital, Yavatmal.	05
15	Government Medical College & Hospital, Ambajogai.	04
16	Government Medical College & Hospital, Latur.	04
17	B. J. Government Medical College & Sasoon Hospital, Pune	05
18	Government Medical College & Hospital, Chandrapur	01
Total :		47


 मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता **Smt. Sushama Patil**
General Manager (Addl. Charge)
Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.