



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

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E-mail: procurementcell@vaccinehaffkine.com

दि: ०३.१२.२०२१ प्रशासकीय मंजूर निधी ४,७५,००,०००/-
(२०२१-२२) (Qty.- ९५०)

No.: 7960 /Haffkine/Procurement Cell/ E-4466/Syringe Infusion Pump /2023-24;

Date: 17.01.2024

To,

M/s. AKAS Medical Equipment.,

SP-127, Sector-1, 2nd Floor, 5th Lane, 1st Main Road,

Ambattur Industrial Estate, Chennai-600058

Contact No. 9380879116/ 875016117/8076454698.

E-Mail: azhagar@akasinfusion.com

shailender@akasinfusion.com

Subject : Supply Order for Tender No. E-4466/ Syringe Infusion Pump.

Reference: 1. Tender No. E-4466/HBPCL/PC/ Syringe Infusion Pump/2021-22.

2. शासननिर्णय, क्रमांक- यंत्रख.२०२१/प्र.क्र.२०८/प्रशा-१
दिनांक : ०३ डिसेंबर, २०२१.

3. Sanction of Tender Approval Committee Meeting No. 181

Date : 18.07.2023.

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	Syringe Infusion Pump Make : AKAS MEDICAL EQUIPMENT Model : AKAS TERUMAX RX	As per Annexure X	950	35,840/-	3,40,48,000/-

Total amount in words: Rupees Three Crore Fourty Lakh Fourty Eight Thousand Only.

Factory Location: 26, 2nd & 3rd Floor, Palayam Bazaar Road, Woraiyur, Trichy- 620003.


- 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.

- 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 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 **Consignee:** As per list enclosed


General Manager
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.

SPECIFICATIONS

Specifications

GENERAL

1 USE

1.1	Clinical purpose	designed to precisely drive the plunger of a syringe down its barrel to infuse a solution when it must be administered with a high degree of volume accuracy and rate consistency Manual/ Automatic
1.2	Used by clinical department/ward	NICU/PICU

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1	Clinical performances	Should accept all internationally produced / marketed syringes and should be able to detect it automatically, Should support the Bolus supply of drug on press of single button, as per need and should be able to present different range of Bolus supply. Preferably the unit should be of Bottom / side loaded to avoid accidental spilling of drugs and damage to the machine. (should not be top loaded)
2.2	Technical characteristics (Specific to this type of device)	<ol style="list-style-type: none"> 1. Flow rate programmable range at least from 0.01 ml/to 9.99ml/hr; in steps of 0.01ml/hr and at least from 10 to 1200 ml/hr in Steps of 1 ml/hr. 2. Saves last infusion rate even when the AC power is switched off. 3. Bolus rate manual/ automatic should be programmable to approx. 500ml, with infused volume display. 4. Selectable occlusion pressure trigger selectable From 200 to 1200 mmHg. 5. Must work on commonly available 2ml/5ml to 50ml syringes 6. Accuracy of $\pm 2\%$ or better. 7. Maximum pressure generated ≤ 20 psi. 8. Automatic detection of syringe size and proper fixing. 9. Anti-bolus system ≤ 0.2ml to reduce pressure on sudden release of occlusion. 10. Pause infusion facility required. 11. Self-check carried out on powering on. 12. Comprehensive alarm package required including: pre-occlusion alarm, Occlusion alarm near end of infusion pre-alarm and alarm, volume limit pre-alarm and alarm, low battery pre-alarm and alarm, AC power failure, drive disengaged, syringe loading error, maintenance required. 13. Should include KVO (keep vein open) enabling feature. 14. It should be an open system compliant. 15. Adjusted stand for stacking up to 5 syringe Pump 16. Able to change Flow rate, occlusion limit

		without switching off syringe pump
2.3	Settings	Single loadable with one syringe of minimum 2ml/5ml
2.4	User's interface	Automatic
2.5	Software and/or standard of communication	Inbuilt
3. PHYSICAL CHARACTERISTICS		
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Configuration	Tamper-resistant case made of impact resistant material. Securely mountable on tabletop, IV stand or bed fitting.
3.4	Noise (in dBA)	Noise free
3.5	heat dissipation	
3.6	Mobility, portability	Yes
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	Internal rechargeable battery having at 4 to 6 hours backup for 10ml/hr flow rate with 50ml syringe.
4.3	Tolerance (to variations, shut downs)	10%
4.4	Protection	Battery powered alarm for power failure or disconnection.
4.5	Power consumption	25W
4.6	Other energy supplies	Na
5. ACCESSORIES, SPAREPARTS, CONSUMABLES		
5.1	Accessories (mandatory, standard, optional)	Clamp for mounting pump on IV stand.
5.2	Spare parts (main ones)	
5.3	Consumables / reagents (open, closed system)	Battery, syringe holder, PMO lines
5.4	Others	
BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS		
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	Atmosphere / Ambiance (air-conditioning, humidity, dust...)	Operating condition: Capable of operating continuously in ambient temperature of 0 to 50deg C and relative humidity of 15 to 90% in ideal-circumstances.
6.2	User's care, Cleaning, Disinfection & Sterility issues	Capable of cleaning with alcohol or chlorine wipes.
7. STANDARDS AND SAFETY		
7.1	Certificates (pre-market, sanitary,..); Performance and	FDA certified or CE (UK/EU Notified Body) Manufacturer / supplier should have ISO 13485 certificate for quality standard.

safety standards (specific to the device type)

Electrical safety conforms to standards for electrical safety IEC 60601-1, class II, Shall meet IEC 60601-1-2 EMC standard requirements.

Certified to IEC 60601-2-24 Particular requirements for the safety of infusion pumps and controllers.

8. TRAINING AND INSTALLATION

8.1	Pre-installation requirements: nature, values, quality, tolerance	Supplier to perform installation, safety and operation checks before handover.
8.2	Requirements for sign-off	As per requirement
8.3	Training of staff (medical, paramedical, technicians)	Training of users in operation and basic maintenance shall be provided.
8.4	Others	

9. WARRANTY AND MAINTENANCE

9.1	Warranty	2 Years + 8 CMC (As per tender documents)
9.2	Maintenance tasks	Advanced maintenance and calibration tasks required shall be documented.
9.3	Service contract clauses, including prices	Local clinical staff to affirm completion of installation.

10. DOCUMENTATION

10.1	Operating manuals, service manuals, other manuals	User, technical and maintenance manuals to be supplied in English language. List to be provided of equipment and procedures required for local calibration and routine maintenance.
10.2	Other accompanying documents	List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

11. NOTES

11.1	Other information	Contact details of manufacturer, supplier and local service agent to be provided.
11.2	Recommendations or warnings	

Consignee Details

M/s. AKAS Medical Equipment.,		
Syringe Infusion Pump		
Make : AKAS MEDICAL EQUIPMENT		
Model : AKAS TERUMAX RX		
Delivery Period	06 weeks	
PO Ref. No.	No.: 7960 /Haffkine/Procurement Cell/E-4466/ Syringe Infusion Pump/ 2023-24.	
Date:	Date: 17.01.2024	
	दि: ०३.१३.२०२१ प्रशासकीय मंजूर निधि ४,७५,००,०००/- (२०२१-२२) (Qty.- ९५०)	
Sr. No.	Name & Address of the Consignee	Qty.
1)	St. George Hospital, Mumbai.	40

2)	Government Medical College & Hospital, Nanded,	64
3)	Government Medical College & Hospital, Solapur.	60
4)	Government Medical College & Hospital, Akola.	29
5)	Government Medical College & Hospital, Aurangabad,	35
6)	Government Medical College, Aurangabad.	31
7)	Government Medical College & Hospital, Gondia.	50
8)	Government Medical College & Hospital, Jalgaon.	49
9)	Government Medical College & Hospital, Miraj.	37
10)	Government Medical College & Hospital, Nagpur.	49
11)	Government Medical College & Hospital, Baramati.	18
12)	Indira Gandhi Government Medical College & Hospital, Nagpur.	24
13)	Government Medical College & Hospital, Kolhapur.	40
14)	Government Medical College & Hospital, Dhule.	209
15)	Government Medical College & Hospital, Yavatmal.	28
16)	Government Medical College & Hospital, Ambajogai.	59
17)	Government Medical College & Hospital, Latur.	70
18)	B. J. Government Medical College & Sasoon Hospital, Pune	19
19)	Government Medical College & Hospital, Chandrapur	39
		950


General Manager

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

