



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 ४६,२०,०००/- २०१८-१९ राष्ट्रीय आरोग्य अभियान	No.: 5865 /Haffkine /Procurement Cell/E-2515/Repeat Order/Radiant Warmer/ 2021-22 Date: 20/12/21

To,
M/s. AVI Healthcare Pvt. Ltd.,
402/S, Bhagirathi Niwas,
Off MV Road, Andheri East,
Mumbai – 400069.
E-Mail: sales@avihealthcare.com

- Subject :** Supply Repeat Order for Tender No. E-2515/Radiant Warmer
Reference: 1. Tender No. E-2515/HBPCL/PC/ Radiant Warmer/2020-21
2. Order No. 4969/Haffkine/Procurement Cell/E-2515/Radiant Warmer/2021-22
Dt. 06.07.2021
3. शा.नि.क्र. : प्रशामा-०११९/प्र.क्र.३४/आरोग्य-७ दि. २८ जानेवारी, २०१९
4. Sanction of Tender Approval Committee Meeting Dated 18.11.2021

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 (DHS)	Unit Rate inclusive of GST(Rs.)	Total Amount Rs.
1	Radiant Warmer Make & Model : IW4000 (D10) Infant Warmer with detachable trolley	As per Annexure X	84	29,700/-	24,94,800/-
Total amount in words: Rupees Twenty Four Lakh Ninety Four Thousand Eight Hundred Only.					
Factory Location : M/s. AVI Healthcare Pvt. Ltd., 25, Nanddeep Industrial Estate, Kondivita Lane, Andheri East, Mumbai – 400 059. Maharashtra India.					

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 06 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 **Labelling:** The word "**For use of GOVERNMENT OF MAHARASHTRA NOT FOR SALE**" should be printed on each unit pack in readable Purple or Green Colours.
- 7 **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
- 8 **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
- 9 **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.
- 10 **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.
- 11 **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.

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The Bidder should submit (within 7 days) amount of 1.5% ie. **Rs. 37,422/-** of order value to meet other incidental expenditure and 3% i-e **Rs. 74,844/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee Should be Valid for 2 months after the expiry date of warranty, issued by any Nationalized/Scheduled Bank.

Amount to be deposited to Following Account:

Name of Account	Haffkine Bio-Pharmaceutical Corporation Ltd. (Procurement Cell), CESS Account Mumbai.
Name of the Bank & Branch	Bank of Maharashtra, Branch - Mumbai Parel
Account No.	60381379835
IFSC Code	MAHB0000079

Consignee: As per list enclosed

या. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Banshee
13/12

(Dr. Vijay Baviskar)

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: Dean, 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

Sr. No.	Technical Specification Radiant Warmer	
1.1	Clinical Purpose.	Infant Radiant Warmer is an electrically powered device with a radiant heating source intended to maintain the thermal balance of an infant by direct radiant of energy in the infrared region of the electromagnetic spectrum.
1.2	Used by clinical department/ward	Neonatal ICU/SNCU
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	Technical characteristics (Specific to this of device)	<ol style="list-style-type: none"> 1. It should be microcontroller based radiant warmer with manual and servo options. 2. It should have facility to display skin set, skin observed temperature in degree C and heat power separately. 3. Should have user friendly touch panel control. 4. It should have ceramic or quartz infrared or calrod heater. 5. It should have audio-visual alarm facility for overheating beyond set temperature range. 6. It should have alarm facility for patient temperature less than or greater than the required temperature i.e. above or below the set range. Machine should sense the skin probe failure and cut off the heater. 7. Warmer head should be rotatable in different direction, so as to allow taking X-ray. 8. It should have alarm for probe failure, power failure, system failure and heater failure. 9. Observation light of 90 to 100 foot candles or 1000 Lux (color temperature range 3700K to 5100K) Should be provided for inspection 10. Battery backup for Power failure indication during power fail. 11. The desired temperature range from 25 to 40 degree C and settable temperature can be from 32 to 38degC. 12. The resolution should be 0.1 degree C and accuracy should be 0.2 °C. 13. Should have a facility to lock the keyboard to avoid unwanted user modification of the set parameters. 14. The height of the warmer should be adjustable for different types of bed. 15. It should have separate bassinet trolley, bed should be tiltable and have provision for X-ray cassette holder, Mattress foam density should be minimum 25 kg/cm³, transparent collapsible side walls easily detachable for cleaning. Mattress size should be minimum 20"X30". 16. Should have a Feather Touch operation with large digital display and comprehensive alarms. Control Panel should be liquid proof and allow easy and hygienic disinfection.

		17. Manual Mode can adjust Heater Output 10-100%, with 10% increment, an auditory and visual alarm shall be given at least every 15 min.
		18. In manual mode, heater cut off/ switch off, if the maximum irradiance at any point of the mattress area exceeds a total irradiance level of 10 mW/cm ² (between 10 to 30 minutes).
		19. Bed should be about 80-100 cms from the Floor and 80-90cms from the heat source.
		20. Should have lockable castor wheels.
		21. Green indicator light shall be provided to indicate that warmer is ready for normal use.
		22. Markings on the bassinet and X-ray cassette holders is mandatory to enable proper positioning of the baby while doing the X-Ray.
		23. The size of the drop sides should be such that it is 5" above the mattress surface and should be atleast 6mmthick: clear and transparent.
		24. If there is more than 60% heater output for 10 minutes it should cutoff with alarm.
		25. For the purpose of cable management there should be at least two number of tubing ports (edges covered by silicon rings) on the side walls. The height of the side walls should be minimum 110mm over the mattress.
		26. X-Ray cassette tray should be at least 750X350mm and should adopt up to 20mm thick X-Ray cassette.
		27. The bay bed should be crevice free ease of cleaning, infection control.
		28. The mattress used should be of biocompatible material.
		29. Thermistor based skin temperature probe should be small in size not more than 10mm diameter and 3-4mm thick to fix the probe firmly on the infant. Baby contact material should be biocompatible as per ISO 10993 standard requirement. It should be insulated on one side and have well conducting non-rusting, non reacting metallic surface on the other side. Probe wire should be pliable, thin and soft. The attachment side of the probe with the wire should also be pliable and non stiff.
2.2	Settings	<ol style="list-style-type: none"> 1. Should have Manual mode and Baby (Servo) Mode settings. 2. Mode of operation should be clearly displayed. 3. Is servo mode baby set temperature should be 32 to 38 deg C.
2.3	User's interface	Manual and Servo controlled temperature regulation.
	Software and/or standard of communication (where ever required)	LED Display and inbuilt software; Interruption and restoration of the power supply does not change the preset values.
2.5	Others	<ol style="list-style-type: none"> 1. Devcie shall not overbalance when placed in any transport position of normal use on a 10° inclined plane from the horizontal plane. 2. Transformers of device shall be protected against

		<p>overheating in the event of short circuit or overload of any output winding.</p> <p>3. Patient leakage current should be less than 100 μA in normal condition.</p> <p>4. Temperature on the baby mattress should not exceed 43deg C when the warmer is operating under steady temperature condition.</p> <p>5. Temperature of HEATER GUARDS should not exceed 85°C in normal use.</p> <p>6. The Temperature differences on the mattress shall not exceed 2 °C.</p>
3. PHYSICAL CHARACTERISTICS		
3.1	Dimensions (metric)	Specifications upto 2000 mm (Height) X 900mm (Width) X 1100mm (Length).
3.2	Weight (lbs, ,kg)	Maximum spec: 150kg.
3.3	Configuration	Atleast 60 degree angle adjustment must be possible in the heat source and it should provide shielding to the infant in case of breakage of tubes/bulbs, All surface to be made of corrosion resistant material.
3.4	Noise (in dBA)	Auditory alarm shall have a sound level of at least 65 dBA at a distance of 3m from the front of the infant radiant warmer, and the sound level of the alarm shall not exceed 80 dBA on the mattress.
3.5	Heat dissipation	Should maintain upto 36.5 deg temp and the heat disbursed through a exhaust fan, so that effect of UV light is not disturbed.
3.6	Mobility, Portability	Yes, on castors (2 of the castors should have breaks; casotor size can be atleast 4inch).
4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO₂...)		
4.1	Power Requirements	220 to 240V, 50 Hz
4.2	Battery Operated	Power failure indication during power fail.
4.3	Tolerance (to variations, shutdowns)	\pm 10% of input
4.4	Protection	OVP, earth leakage protection.
4.5	Power consumption	Maximum 800 Watt
4.6	Other energy supplies	Solar Heating – desirable; not essential
5. ACCESSORIES, SPAREPARTS, CONSUMABLES		
5.1	Accessories (mandatory, standard, optional)	Should have standard IV pole (sturdy; non rusting; medical grade stainless steel; adjustable to a max height of 6 feet from the ground level), monitor tray (12X10 inches;270deg swivel; fixed at level of warmer display) and storage trays.
5.2	Spare parts (main ones)	Skin temperature probes,
5.3	Consumables/ reagents (open, closed system)	Thermal reflector to fix the skin probe on body.
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	Atmosphere/Ambiance (air conditioning, humidity, dust...)	<p>Operating condition:</p> <ul style="list-style-type: none"> • Capable of operating continuously in ambient temperature of 0 to 50deg C and relative humidity of 15 to 90% in ideal circumstances. • An ambient air velocity is less than 0.3 m/s.
6.2	User's care, Cleaning, Disinfection & Sterility	Complete unit to be easily washable and sterilizable using both alcohol and chlorine agents.

	issues	
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 European CE from notified body (class IIb), or FDA approved product. Shall meet IEC-60601-1-2:2007 Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility- Requirements and tests (Or Equivalent BIS). Should meet IEC 60601-2-21:2009 Medical Electrical Equipment – Part 2-21: Particular Requirement for the basic safety and essential performance of infant radiant warmers. Should meet IEC 60601-1:2005 standard requirements. Baby contact material should be biocompatible as per ISO 10993 standard requirement. Manufacturer should be ISO 13485 certified
8. TRAINING AND INSTALLATION		
8.1	Pre-installation requirements: nature, values, quality, tolerance	Availability of 5 amp/15 Amp. Electrical socket (2 nos) for each warmer.
8.2	Requirements for sign-off	Certificate of Calibration and inspection from the factory.
8.3	Training of staff (medical, paramedical, technicians)	User training manual required
8.4	Others	List of important spare parts and accessories with their part number and costing.
9. WARRANTY AND MAINTENANCE		
9.1	Warranty	Nickel chrome wire filament and tube of quartz should have a life time warranty; equipment – 3 years.
9.2	Maintenance tasks	Maintenance manual detailing complete maintaining schedule
9.3	Service contract clauses, including prices	Warranty of one year with free servicing (min.3) during warranty
9.4	Others	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/ warranty period should be attached.
10. DOCUMENTATION		
10.1	Operating manuals, service manuals, other manuals	To be supplied
10.2	Other accompanying documents	User/Technical/Maintenance manuals to be supplied in English
11. NOTES		
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/ landline numbers)	Should provide complete contact details of sales and service departments.
11.2	Recommendations or warnings	Any warning/ precautions to be declared

Consignee Details

M/s. AVI Healthcare Pvt. Ltd.,		
Radiant Warmer Make & Model : IW4000 (D10) Infant Warmer with detachable trolley		
Delivery Period	06 weeks	
PO Reference No.	No.: 5865 /Haffkine /Procurement Cell/E-2515/Repeat Order/Radiant Warmer/ 2021-22 Date: 20/12/21	
प्रशासकीय मान्यता निधी ४६,२०,०००/- २०१८-१९ राष्ट्रीय आरोग्य अभियान		
Name & Address of the Consignee		
Sr. No.	Details of SNCU Name	Qty. (DHS)
1	SDH Manchar, Pune.	16
2	SDH Umerga, Osmanabad.	16
3	SDH Pusad, Yavatmal.	12
4	RH Akkalkuwa, Nandurbar.	16
5	SDH Gokunda.	12
6	DH Dahanu.	12
Total		84

या. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Baviskar
12/12

(Dr. Vijay Baviskar)
General Manager

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