Attachment A: Bid Breakdown & Schedule

Bidder: _____

DASNY Contact: Theresa Graffeo, Purchasing Coordinator
tgraffeo@dasny.org

Request for Information (RFI's): RFI's due February 17, 2023. Submit in writing via email to tgraffeo@dasny.org. Responses will be posted to DASNY's website via addenda no later than February 21, 2023. It is the responsibility of the Bidder to obtain Addenda.

Product Required By: June 2023

Description: Furnish and Deliver ICU Medical Infusions Pumps

Bid Open Location: DASNY, Corporate Headquarters, 515 Broadway, Albany, NY 12207

Bid Open Date and Time: Tuesday, March 7, 2023, at 2:00PM

Item No.	Manufacturer	Make/Model	Description	QTY	UOM	Unit Price	Extended Price
1	ICU Medical	PLUM A +	Pump, Infusion, Dual Channel	1	EA	$	$
2	ICU Medical	Plum 360	Pump, Infusion- Single Channel	14	EA	$	$
			Inside Delivery (Union Labor)		LS	$	$

TOTAL BID_____

NOTICE AND INFORMATION FOR BIDDERS

(The below questions 1) and 2) need only be answered if the above total bid is for one million dollars or more)

1. Does your firm anticipate the use of subcontractors and outside suppliers specific to this procurement
   Yes ☐ No ☐
2. Does your firm anticipate the creation of employment opportunities arising from this procurement?
   Yes ☐ No ☐

(The below information must be completed for all bids.)

Identify all subcontractors, if any: _____

STATE, PROVINCE FOR FOREIGN COUNTRY THAT YOUR FIRM'S PRINCIPAL PLACE OF BUSINESS IS LOCATED:

_____

ADDRESS OF FACTORY OR PLANT WHERE ITEMS ARE MANUFACTURED AND/OR ASSEMBLED. *(Attach additional sheet(s) if more than one manufacturer)*

_____
_____
_____
_____

_____
BIDDER (FIRM NAME)

_____
SIGNATURE

_____
NAME (TYPE/PRINTED)

_____
TITLE

_____
Date

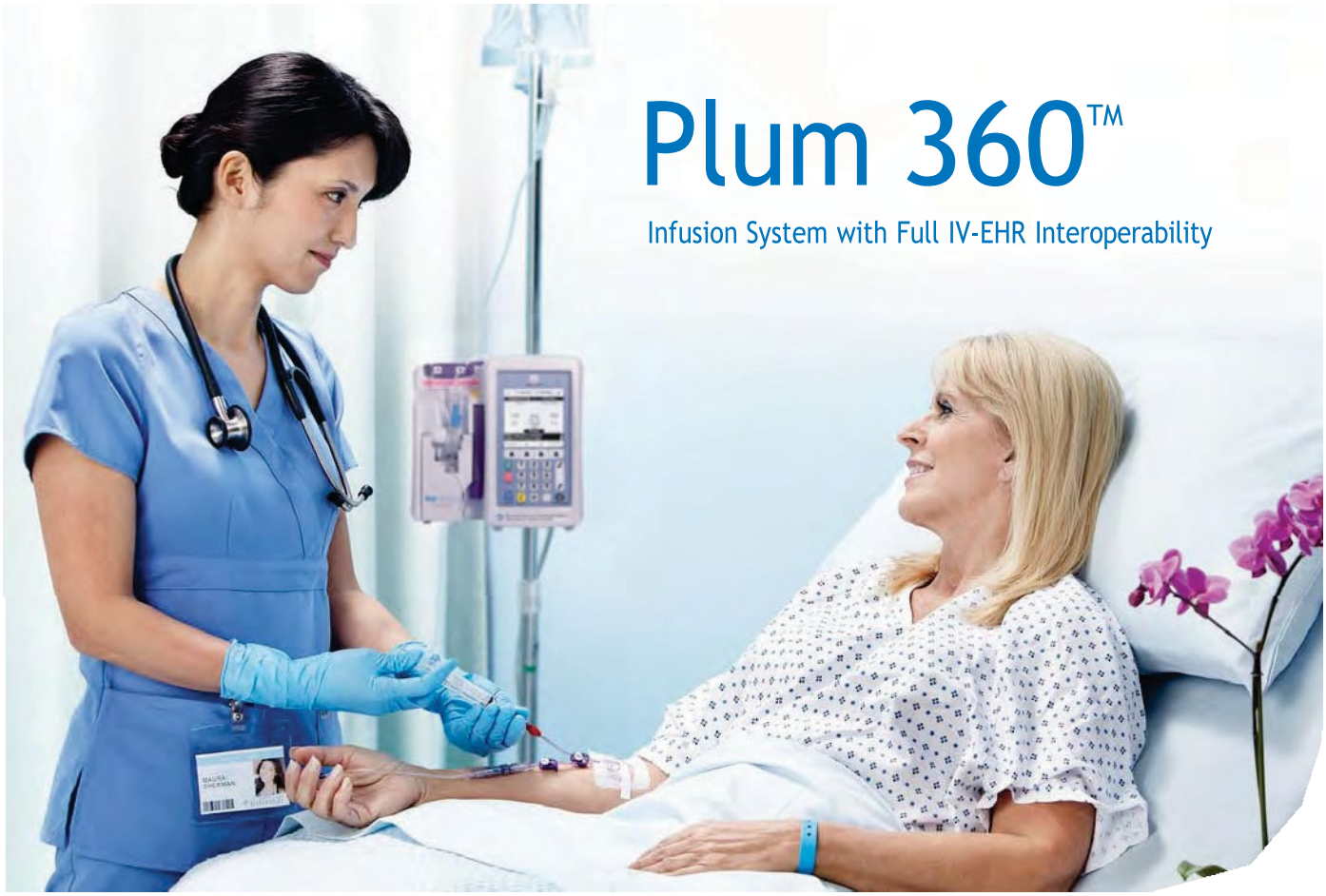
Attachment B: Detailed Specifications

1. Pump, Infusion, Dual Channel PLUM A +:
   Single channel infusion pump.

   Main School 05 - ICU Unit- 1

2. Pump, Infusion- Single Channel Plum 360:
   Large volume, dual channel, EMR ready infusion system for delivery of parenteral, enteral, or epidural infusion to include drug library and wireless networking. 2 lines of infusion can be delivered at independent rates. Volume to be infused (VTBI) is delivered through one line to a patient and the two lines can be delivered in concurrent mode or in piggyback mode.

   Main School 05 - ICU Unit - 2
   Main School 017 - Maternity & Pediatric - 2
   Main School 022 - Nursing Skills Lab 1 - 10

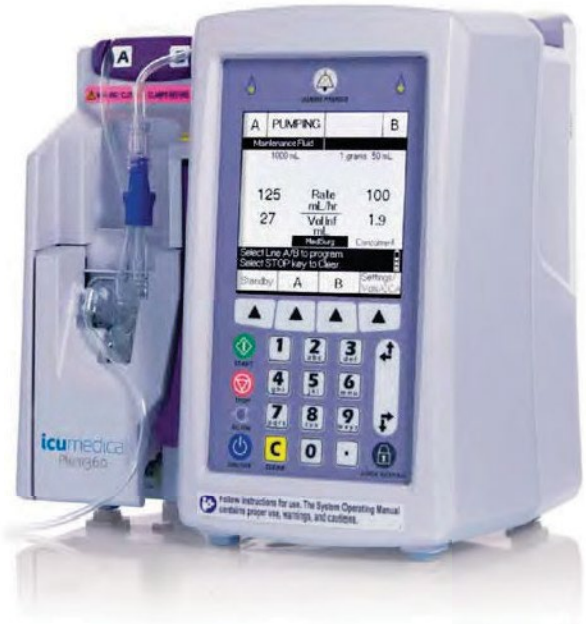


Plum 360™

Infusion System with Full IV-EHR Interoperability

Your Direct Connection To Clinical Excellence

- Air management that doesn't require disconnecting from the patient
- A secondary line that connects directly to the cassette
- Proven full IV-EHR interoperability, ready when you are



icumedical

human connections

35299A

Section 11

Specifications

Physical

Dimensions:	Approximately 8” H x 8” W x 6” D (20 cm H x 20 cm W x 15 cm D), excluding pole clamp extrusion and power cord storage.
Mass:	Approximately 10 lbs. (4.5 kg) with battery.
Casing:	High-impact plastic.
Expected Service Life:	10 years **NOTE:** Expected Service Life is defined as the amount of time from the date of installation that the manufacturer will provide technical service to the device. Technical service involves repairs, technical support questions and troubleshooting, and replacement parts.
NOTE:	At the end of the infuser’s serviceable life, the infuser parts must be recycled by an authorized electronic waste handler. Inappropriate disposal of the device can result into Hazards to the Environment. Refer to the *Plum 360 Infuser Technical Service Manual* or ***contact ICU Medical*** Service Center for the current disposal process or follow your facility procedure for proper disposal of the device.

Electrical

WARNING

AT THE END OF THE BATTERY'S SERVICE LIFE, DISPOSE OF THE BATTERY BY DELIVERING IT TO AN AUTHORIZED LEAD-ACID BATTERY RECYCLER.

Power Requirements:	100 - 120 V_{AC}; 50-60 Hz; 50 VA (30010-04, 30010-65) 220 - 240 V_{AC}; 50-60 Hz; 50 VA (30010-10, 30010-27, 30010-54, 30010-57)
Power Cord:	Hospital-grade AC cord. 10 ft (3.05 m) long, with transparent plug and retainer plate.
Fuses:	Internal and non-replaceable
Electrical Leakage:	Meets IEC 60601-1:2012: Medical Electronic Equipment, Part 1: General Requirements for Basic Safety and Essential Performance.
Battery:	One sealed, lead-acid, rechargeable 6 V battery, internal to device.
Battery Operation:	The typical battery operating time with a new and fully charged battery is 7 hours when infusing at 25 mL/hr, and 4 hours at 999 mL/hr.
Recharge:	The battery charges whenever the infuser is connected to AC (mains) power. The recharge time is up to 8 hours with the device operating at 125 mL/hr on one line.
Nurse Call Interface:	The nurse call interface active state is factory set for Normally-Open (NO) Contact the Technical Services Center to change the device from Normally-Open (NO) to Normally-Closed (NC).
Nurse Call Circuitry Ratings:	Voltage: 30 VDC Max current: 1 Amp

Environment:

- Operating Temperature: 41°F to 104 °F (5°C to 40 °C)
  See Notes 1 and 2.
- Storage Temperature: –5°F to 104°F (–20°C to 40°C)
  See Notes 2 and 3.
- Atmospheric Pressure: 0 to 10,000 feet (0 to 3,000m)
  or equivalent pressure
- Relative Humidity: 10% to 90% (maximum dew point of 30°C)
  See Note 4

NOTES:

1. Batteries operate on electrochemical reaction, which converts chemical energy to electric energy. The electrochemical reaction is reduced as temperature lowers, thus, available discharge capacity is greatly reduced at temperatures as low as –15°C.

2. Battery cycle life (number of cycles) of the battery is dependent on the depth of discharge in each cycle. The deeper the discharge, the shorter the cycle life (smaller number of cycles), providing the same discharge current. The cycle life (number of cycles) of the battery is also related to such factors as the ambient temperature and rest period between charge and discharge. The expected life of the battery will decrease by one-half with each rise in temperature of 10°C. In particular, the life of the battery will shorten at about 40°C. Therefore, careful consideration must be taken not to use or store the battery at high temperature. A permanently damaged battery cannot be recharged to full capacity.

3. The ambient temperature range of storage shall be –15°C to 40°C. For short-term storage (up to 2 weeks), the temperature range of –20°C to 60°C is permissible. For long-term storage (up to 12 months), the optimum temperature range is –15°C to 25°C. When it is unavoidable to store the battery for 3 months or longer, periodically recharge the battery at the intervals recommended in the following table, depending on ambient temperature. Avoid storing the battery for more than 12 months either in the infuser or in spares inventory.

Storage Temperature	Refresh Charge Interval
–15°C to 25°C	6 months
25°C to 40°C	2 months
40°C to 60 °C	1 week

Do not store above 40°C for more than 2 weeks.

If any of the above conditions are not or cannot be met during storage, replace the battery before use.

4. The optimal relative humidity for storage or operation is 25% to 85%. For short durations (up to 2 weeks), operation or storage at a relative humidity in the range of 10% to 90% is permissible.

Connectivity Engine

Wireless Standards:	IEEE 802.11 a/b/g/n
Radio Technology:	802.11a: Orthogonal Frequency Division Multiplex
	802.11b: Direct Sequence Spread Spectrum
	802.11g: Orthogonal Frequency Division Multiplex
	802.11n: Orthogonal Frequency Division Multiplex
Data Transfer Rate:	802.11a: Up to 54 Mbps
	802.11b: Up to 11 Mbps
	802.11g: Up to 54 Mbps
	802.11n: Up to 72.2 Mbps (2.4 GHz Frequency Band)
	802.11n: Up to 72.2 Mbps (5.0 GHz Frequency Band, 20 MHz channel)
	802.11n: Up to 150 Mbps (5.0 GHz Frequency Band, 40 MHz channel)

Frequency Band IEEE 802.11b:	802.11a: 5.0 GHz 802.11b: 2.4 GHz 802.11g: 2.4 GHz 802.11n: 2.4 GHz, 5.0 GHz
Transmit Power:	802.11a: +16 dBm (max) 802.11b: +15 dBm (max) 802.11g: +15 dBm (max) 802.11n: +14.5 dBm (max) @ 2.4 GHz +16dBm (max) @ 5 GHz
Antenna:	PCB antenna mounted in infuser housing
Ethernet LAN:	Shielded Ethernet cable plugged into an RJ-45 connector
Ethernet Protocol:	DHCP; assigned IP Address, Subnet Mask, Gateway, and DNS
Certifications:	FCC Part 15.247, 15.407 IC RSS-210, RSS-102 FCC ID: STJ-SDMAN IC No: 5627A-SDMAN

Attachment C: Scope of Work and Site Logistics

Furnish, deliver, and provide inside delivery of ICU Medical Equipment. Inside Delivery includes unbox or uncrate, set-up, assemble and make ready for use. All debris should be removed from the premises and warranty information should be turned over to the Owner's Representative.

DORMITORY AUTHORITY- STATE OF NEW YORK
515 BROADWAY
ALBANY, NY 12207

CUNY
Lehman College
Nursing Lab

A. Project Overview:

1. The Lehman College Nursing Education, Research and Practice Center will be 52,289 gross square feet, five floor building located on the site of a parking lot and the former bookstore located between Carman Hall and Davis Hall. The center will include a simulation lab, classrooms, faculty offices, computer lab, testing center, research lab, administrative and support spaces.

2. The project is located at: 2900 Goulden Avenue Bronx, NY 10468.

3. This project is covered by a Project Labor Agreement (PLA). The PLA has been provided to all vendors in the Request for Quotation documents.

B. Site Visit, Conditions and Logistics:

1. All vendors are responsible for scheduling a site visit to assess logistical delivery issues and site conditions. DASNY shall presume all vendors have visited the project site and verified existing field conditions. All visits must be coordinated with DASNY's Project Manager, Chris Wuest (cwuest@dasny.org or (646) 773-0081).

2. Each vendor shall be responsible for assessing all site logistics, including appropriate truck size, loading dock conditions and gate availability, and shall be responsible for providing and fitting equipment in locations, as required. All vendors shall assume full responsibility for all equipment and accessories required to unload furniture and/or equipment at the dock.

3. If the site is still under construction at the time of delivery and/or installation, all workers entering the site must wear the required Personal Protective Equipment (PPE) including safety vests, hard hats, work boots, etc., in accordance with OSHA and other authorities having jurisdiction.

4. All loading dock and/or elevator usage must be coordinated with DASNY.

C. Site Restrictions:

1. Limited site access. Deliveries limited to 28' box trucks.

2. Vendors shall provide PPE for workers on site. Vests, hardhats, and appropriate footwear are required.

3. Dumpsters are not available on-site. Vendors shall be responsible for daily removal of debris off site. All vendors shall be responsible for obeying all site rules and established protocol.

4. Installation work shall include unloading, unpacking, and delivering to respective floor locations.

D. **Elevator Information:**

1. Freight Elevator:

a. Vendors are responsible for confirming the dimension of the elevator's cabs and doors before delivery.
b. Elevator protection: By vendors.

E. **Building Protection:**

1. The vendor shall be responsible for the protection of all access and work areas, including, but not limited to walls, doors etc., but not flooring. Flooring protection will be by the vendors. The vendor will be held responsible for the repair or replacement of any damage to the building, grounds, walls, and flooring due to the delivery and installation of the product.

2. All delivery paths (walls, etc.) will be protected and maintained, with paper and masonite. The utilization of steel-wheel dollies is prohibited.

3. Furniture/Equipment Protection: All furniture/equipment work surfaces shall be protected after installation is completed. The work surface protection shall be removed by others at a later date.

F. Delivery Schedule:

1. All deliveries shall occur from 7:00 am to 3:00 pm unless otherwise scheduled with DASNY.

2. The Vendor shall be responsible for coordinating permitting for their deliveries in the street as required.

3. The Vendor shall be responsible for coordinating exact delivery dates and times with the project site. Only products that can be immediately installed in a completed space shall be delivered, to avoid staging and on-site storage. The Vendor shall be responsible for temporarily storing materials in a secure warehouse for a period of up to 30 days from DASNY's requested delivery date at no additional cost. The Vendor shall be responsible for the rejection of product delivery, replacement, repair or any other corrective action required, for items received damaged, soiled or not conforming to the detailed specifications.

G. **Tentative Fixtures, Furniture and Equipment Delivery Schedule:**

1. Installation of furniture is anticipated to begin in April of 2023.

2. Installation of fixtures and equipment can begin as indicated in the Request for Quotation and/or Invitation for Bid.

H. **Supervision:**

1. A full-time Coordinating Project Manager and a minimum of one (1) Coordinating Superintendent/Foreman per floor shall be engaged while delivery and installation work are performed.

I. **Parking:**

1. No On-site parking is available.

J. **Punch list:**

1. Each vendor is responsible for contacting DASNY's designated representative at the end of each workday to review project status and obtain sign-off for daily work.

2. The furniture/equipment vendor shall schedule a punch list review with DASNY's designated representative. DASNY reserves the right to withhold 5% payment pending resolution of open punch list items.

K. **Security Requirements**

1. Vendors are responsible to obtain security clearance from Campus Security. All vendors and their workers are required to be vaccinated to gain access to the campus.

2. All Contractors shall submit Daily Reports to Chris Wuest (cwuest@dasny.org) by 10:00 am the following day. Daily Reports are to record, at the minimum, the date, temperature, weather conditions, number of workforce, subcontractors, work activities and location, and special observations. Submission of Daily Reports to Chris Wuest will be a condition of monthly payments to the Contractor.

3. Vaccination card and ID required

L. **Special Provisions**

1. This is a designated Hard Hat Project.

2. There shall be no eating in the work area.

3. Smoking is not permitted on campus.

4. Use of alcohol and controlled substances on campus is not permitted.

5. No signs or advertising material will be permitted on the job site.

6. All provisions of all applicable State Labor Standards must be complied with under provisions of this contract. In addition to the PLA agreement.