



Republic of the Philippines
Department of Health
CARAGA REGIONAL HOSPITAL
Surigao City

PROCUREMENT OF MEDICAL EQUIPMENT FOR PEDIA DEPARTMENT
ABC: PHP 3,000,000.00
IB NO. 2023-02-10 (04)

TECHNICAL SPECIFICATION FOR INFUSION PUMP:

1. Should be operated on drip rate Peristaltic finger pump method.
2. Should compatible with most of the IV set (macro/micro drip sets) and other blood components.
3. Should have the following minimum flow rates.

IV Sets	ml/hr	drops/min
20drops/ml	3-300ml/hr	1-100drops/min
60drops/ml	1-150ml/hr	1-100drops/min
4. Should have a flow rate accuracy of $\pm 10\%$ and the drip rate accuracy of $\pm 2\%$.
5. Should have a volume infused display from 0 to 999.9ml.
6. Should have a purge and KVO facility and Stackable
7. Should have a audible and visual alarm for occlusion pressure, air alarm, door open, drop sensor, empty, low battery, and infusion complete.
8. Should have a 7segments display or LCD display with backlight and graphical display of infusion, display of information: Flow rate, volume limit, accumulated volume, power indicator, light air, occlusion, empty.
9. Should have minimum 3hrs battery back up at highest delivery rate.
10. Should work with input 100 to 240Vac 60 Hz supply. With option for external DC power supply (13-15 Volts) when used to transport patient via ambulance.
11. Compliance with the requirements of IEC 60601-1
12. Class II, Type CF, and drip proof classification.
13. Accessories; High Quality IV Pole, IV Clamp, and Power Adapters.
14. Other Requirements: Operational and Service Manuals, Calibration Certificate, Cleaning Instruction, and Training of End User's and Biomed Staff.

Technical Specification for Phototherapy Unit

- With removable head
- Light weight with small footprint that takes minimal space for exceptional maneuverability
- Adjustable height up to 50cm
- Lamp unit tilt – up to 90° tilt, allowing use in conjunction with a radiant warmer
- Omnidirectional, not more 1 inch's thickness, 2 inches' diameter wheels, that can slide under most bassinets or warmers
- Can deliver light at an optimized 458 nm wavelength using irradiance level and disturbing the light with exceptional uniformity
- Power requirements: 100-250 hz
- Must have user manual
- Delivery period: 90 days
- With calibration certificate upon delivery
- Must have dust cover

Completion Period of Delivery and Installation and Commissioning: 90 calendar days

Payment Terms: Payment shall be made upon its completion of delivery, installation and commissioning provided all necessary documents under existing rules, laws and policy in accordance to auditing and accounting rules.

Warranty : Must be 2 years warranty
Calibration : The Winning Bidder shall provide Calibration Certificate after installation
Training : The Winning Bidder shall provide training on site to the end-user