



Republic of the Philippines  
Department of Health

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**BIDS AND AWARDS COMMITTEE (BAC)**

**BID BULLETIN NO. 01**

JUNE 16, 2021

This Bid Bulletin is issued to inform all prospective bidders that Procurement of Infusion Pump, Syringe Pump and Suction Machine with PhilGEPS Reference No. 7739393 is hereby amended, to wit:

ORIGINAL SPECIFICATIONS	AMENDMENT/CHANGES/MODIFICATION
<b>Item No. 1 PORTABLE INFUSION PUMP</b>	
<ul style="list-style-type: none"> <li>● Flow rate range: ml/h (1 ml/h increments) 1-600ml/h standard IV set 3-300 ml/h (20 drops/mL standard IVset) 1 - 150 ml/h (60 drops/mL standard IV set) drops/min (1 drop/min increments) 1-200 drops/min IV Set 1 - 100 drops/min(20) 120 drops/mL standard IV set) 1 - 150 drops/min (60 drops/mL standard IV set)</li> </ul>	<ul style="list-style-type: none"> <li>● Flow rate range: * ml/h (1 ml/h increments): <b>min 0.1ml/hr</b> * <b>within 0.1-2000ml/hr</b> standard IV * drops/min (1 drop/min increments) * <b>1-400 drops/min</b> IV Set</li> </ul>
<ul style="list-style-type: none"> <li>● K.V.O. Rate: 1ml/h - 10ml/h (1ml/h increment)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>within</b> K.V.O. Rate: within 1ml/h - 10ml/h (1ml/h increment)</li> </ul>
<ul style="list-style-type: none"> <li>● Volume limit range: 1 - 9999ml (1 ml increment)</li> </ul>	<ul style="list-style-type: none"> <li>● Volume limit range: <b>within 0.1-9999ml (0.1 or 1 ml increment)</b></li> </ul>
<ul style="list-style-type: none"> <li>● Total volume range: 0-9999 ml (1 ml increment)</li> </ul>	<ul style="list-style-type: none"> <li>● Total volume range: <b>within 0.1-9999 ml (0.1 or 1 ml increment)</b></li> </ul>
<ul style="list-style-type: none"> <li>● Accuracy: ml/h</li> <li>● drops/min 82 % (at ≥ 300 drops)</li> </ul>	<ul style="list-style-type: none"> <li>● Accuracy: ml/h: <b>+2 to 10%</b></li> <li>● drops/min (<b>+ 2 to 5 %</b>) (at ≥ 300 drops)</li> </ul>
<ul style="list-style-type: none"> <li>● Occlusion detection pressure 4 steps selection P13: High Under 150 kPa (Under 1100 mmHg) P12: Medium Under 120 kPa (Under 900 mmHg) P11: Low Under 80 kPa (Under 600 mmHg) P13: Minimum Under 40 kPa (Under 300 mmHg)</li> </ul>	<ul style="list-style-type: none"> <li>● Occlusion detection pressure <b>at least 3 steps</b> selection <b>High, Medium, Low</b></li> </ul>

<p>2 steps selection (20 drops/mL, 60 drops/mL standard IV set)</p> <p>P21: High Under 150 kPa (Under 1100 mmHg)</p> <p>P20: Low Under 80 kPa (Under 600 mmHg)</p>	
<p>●Air-in-line detection sensitivity 3 steps selection</p> <p>Ar0: High Approx. 50 UL</p> <p>Ar1: Medium Approx. 0.1 mL/ 15 minutes</p> <p>Ar2: Low Approx. 1 mL/ 15 minutes</p>	<p>●Air-in-line detection sensitivity 3 steps selection <b>(optional)</b></p> <p>Ar0: High Approx. 50 UL</p> <p>Ar1: Medium Approx. 0.1 mL/ 15 minutes</p> <p>Ar2: Low Approx. 1 mL/ 15 minutes</p>
<p>●Alarm / Warning Air-in-line, Empty container, Flow error, Free flow, IV set error, Occlusion, Low battery, Auto Power OFF, Battery connection, Battery malfunction, Door open, Drop sensor, Reminder, Check setting, Infusion complete, Power supply switched, System error</p>	<p>●Alarm / Warning Air-in-line, Empty container, Flow error, Free flow, IV set error, Occlusion, Low battery <b>(or)</b> Auto Power OFF, Battery connection, Battery malfunction, Door open, Drop sensor, Reminder, Check setting, Infusion complete, Power supply switched, System error</p>
<p>●Dimensions: 80-85 (W) by 185-190(H) by 180-185 (d) mm</p>	<p>● Dimensions: <b>Manufacturer's standard</b></p>
<p>●Weight: 2.0 kg to 2.5kg</p>	<p>●Weight: <b>1.8 kg to 2.5kg</b></p>
<p>● Automatic Shutoff: when the infusion pump is operating on battery power and has been left for 3 minutes with the infusion stopped or in an alarm state, the buzzer sounds, after the buzzer has been left sounding for 3 minutes, the power turn off automatically to conserve the battery.</p>	<p>● Automatic Shutoff <b>(optional)</b>: when the infusion pump is operating on battery power and has been left for 3 minutes with the infusion stopped or in an alarm state, the buzzer sounds, after the buzzer has been left sounding for 3 minutes, the power turn off automatically to conserve the battery.</p>
<p>●Power supply</p> <p>AC power supply: 100 - 240 V + 10 % 50/60 Hz External DC power supply: 12.7 - 16.5 V Internal battery: Rechargeable, DC 12 V 1800 mAh Ni-MH Model: BP-23 Battery life: Approx. 4 hours (When a new battery is fully charged with 25 ml/h set) Input Current AC power supply: 0.3 A External DC power supply: 1.5 A</p>	<p>●Power supply</p> <p><b>Power supply: AC/DC operated 100 - 240 V +- 10 % 50/60Hz</b></p> <p><b>Internal battery: compatible rechargeable battery</b></p> <p><b>Operating hours during battery mode: at least 4 hours</b></p>
<p>●Transportation and storage condition Ambient temperature: -10 - 45 °C</p>	<p>●Transportation and storage condition Ambient temperature: <b>within</b> -10 - 45 °C</p>
<p><b>Item No. 2</b></p> <p><b>PORTABLE SYRINGE PUMP</b></p>	
<p>●Flow range:</p> <p>0.1-400 .0ml.h(10ml syringe)</p> <p>0.1-700.0ml/h(20ml syringe)</p> <p>0.1-900.0ml/h (30ml syringe)</p> <p>0.1-1500.0ml/h(50ml syringe)</p>	<p>●Flow range:</p> <p><b>within</b>0.1-400 .0ml.h(10ml syringe)</p> <p><b>within</b> 0.1-700.0ml/h(20ml syringe)</p> <p><b>within</b> 0.1-900.0ml/h (30ml syringe)</p> <p><b>within</b> 0.1-2000.0ml/h(<b>50-60ml</b> syringe)</p>
<p>● Applicable syringes: 10ml, 30ml and 50ml syringe</p>	<p>● Applicable syringes: 10ml, 20ml 30ml and 50ml syringe</p>
<p>● Total infusion volume range: 0.1 - 999.9ml</p>	<p>● Total infusion volume range: 0.1 to at least 999ml</p>
<p>● Infusion accuracy Brand-specified mode</p> <p>Mechanical accuracy: +1%</p> <p>Accuracy including the syringe: ±3%</p> <p>Auto selection[#]mode (Only 50mL syringes can be used.)</p> <p>Mechanical accuracy: ±1%</p>	<p>● <b>Infusion accuracy</b></p> <p>Mechanical accuracy: +1%</p> <p>Accuracy including the syringe: ±3%</p> <p>Auto selection <b>(optional)</b>[#]mode (Only 50mL syringes can be used.) Mechanical accuracy: ±1%</p>
<p>● Bolus rate</p> <p>Approx. 400.0mL/h (10mL syringe)</p> <p>Approx. 700.0mL/h (20mL syringe)</p> <p>Approx. 900.0mL/h (30mL syringe)</p> <p>Approx. 1500.0mL/h (50mL syringe)</p>	<p>● Bolus rate</p> <p><b>within 0.1-400.0ml.h</b> (10mL syringe)</p> <p><b>within 0.1-700.0mL/h</b> (20mL syringe)</p> <p><b>within 0.1- 900.0mL/h</b> (30mL syringe)</p> <p><b>within 0.1- 2000.0mL/h (50-60mL</b> syringe)</p>

<ul style="list-style-type: none"> <li>● Power supply AC power source: AC100 to 240V+10% 50/60Hz External DC power source: DC12.7 to 15V Built-in battery: Rechargeable, DC12V 700mAh Ni-Cd Model: BP-53 Continuous operation: Approx. two hours (when a new battery is fully recharged with 5mL/h set) "</li> </ul>	<ul style="list-style-type: none"> <li>● Power supply <b>AC/DC power source: AC100 to 240V+10% 50/60Hz compatible Built-in battery: Rechargeable, Continuous operation: Approx. 2-8 hours (when a new battery is fully recharged with 5mL/h set) "</b></li> </ul>
<ul style="list-style-type: none"> <li>● Occlusion detecting 4-step selection pressure Extra high : 119.7 ±40.0 kPa/ 900 ±300mmHg/ 1.22 ±0.41 kgf/cm2 High: 93.1 ±33.3kPa/700 ±250mmHg) 0.9 ±50.34kgf/cm2 Middle: 66.5 ±26.7 kPa/ 500 ±200mmHg/ 0.68 ±0.27 kgf/cm2 Low: 39.9±20.0kPa/ 300±150mmHg/ 0.41±0.20kgf/cm2</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Occlusion</b> detecting 4-step <b>(optional)</b> selection pressure Extra high <b>(optional)</b>: 119.7 ±40.0 kPa/ 900 ±300mmHg/ 1.22 ±0.41 kgf/cm2 High: 93.1 ±33.3kPa/700 ±250mmHg) 0.9 ±50.34kgf/cm2 Middle: 66.5 ±26.7 kPa/ 500 ±200mmHg/ 0.68 ±0.27 kgf/cm2 Low: 39.9±20.0kPa/ 300±150mmHg/ 0.41±0.20kgf/cm2</li> </ul>
<ul style="list-style-type: none"> <li>● Operating Conditions Ambient temperature: 10 to 40°C Relative humidity: 30 to 85% (no condensation) Atmospheric pressure: 70 to 106kPa Transportation and Ambient temperature: -10 to 45°C storage conditions Relative humidity: 10 to 90% (no condensation) Atmospheric pressure: 50 to 106kPa</li> </ul>	<ul style="list-style-type: none"> <li>● <b>To delete</b></li> </ul>
<ul style="list-style-type: none"> <li>● External dimension: Approx 310-320 (W) by 115-120(H) by 135-140 (D) mm</li> </ul>	<ul style="list-style-type: none"> <li>● External dimension: <b>Manufacturer's standard</b></li> </ul>
<ul style="list-style-type: none"> <li>● Weight: 2 to 2.5kg</li> </ul>	<ul style="list-style-type: none"> <li>● Weight: 1.5 to 2.5kg</li> </ul>
<p><b>Item No. 3</b> <b>PORTABLE SUCTION MACHINE</b></p>	
<ul style="list-style-type: none"> <li>● Maximum Vacuum: 600 to 650 mm/hg at 80 to 85kPa</li> </ul>	<ul style="list-style-type: none"> <li>● Maximum Vacuum: <b>550 to 650 mm/hg</b></li> </ul>
<ul style="list-style-type: none"> <li>● Working noise less than or equal to 50 dB</li> </ul>	<ul style="list-style-type: none"> <li>● Working noise less than or equal to <b>65 dB</b></li> </ul>

- Eligibility/Technical requirements must be properly tabbed and presented in a large folder called "ring binder".
- Color of folders and envelopes – Orange

For the information and guidance of all concerned.



**ENRICO P. RAGAZA, MD, FPCS, FPSCRS, FPSGS**  
BAC Chairperson on Equipment