



## ADDENDUM NO. 01

### Series of 2025

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the **Provision of Technical and Scientific Equipment for Molecular Biology Laboratory and School of Medicine (SOM)**. This shall form an integral part of the Bid Documents.

Name of Project: **Provision of Technical and Scientific Equipment for Molecular Biology Laboratory and School of Medicine (SOM)**

Location: CSU Campus, Ampayon, Butuan City

Brief Description: This project involves the procurement of advanced technical and scientific equipment to support molecular biology research and medical education.

Approved Budget for the Contract : **Php. 2,390,680.00**

Source of Funds: **RAF MC-VPAA Higher Education Program FY 2025**

Contract Duration: 90 Calendar Days

Procurement Scheme: **Partial Bid**

Please be informed of the changes in the Bidding Documents as follows:

CHANGES/AMMENDMENTS:	
FROM	TO
<b>MOLECULAR BIOLOGY LABORATORY</b>  <b>MICROPLATE SPECTROPHOTOMETER</b> <ul style="list-style-type: none"> <li>Screen: 7-inch touchscreen display</li> <li>Wavelength Selection: Monochromator</li> <li>Light Source: Flash lamp</li> <li>Wavelength Range: 200–1000 nm (1 nm steps)</li> <li>Read-out Range: Up to 4 absorbance units</li> <li>Resolution: 1 nm</li> <li>Bandwidth: &lt; 2.5 nm</li> <li>Photometric Linearity: 0–2.5 Abs, 2% @ 450 nm</li> <li>Accuracy:               <ul style="list-style-type: none"> <li>1.0% + 0.003 Abs (0–2.0 Abs)</li> <li>2% (2.0–2.5 Abs) at 450 nm</li> </ul> </li> <li>Plate Formats: 6- to 48-, 96-, and 384-well plates; micro-Drop Plate</li> <li>Cuvettes: Supported</li> <li>Measurement Speed:               <ul style="list-style-type: none"> <li>96-well microplate: 6 seconds (fast mode)</li> <li>384-well microplate: 10 seconds (fast mode)</li> </ul> </li> <li>Plate Shaking: Linear</li> <li>Spectral Scanning Speed: 10 seconds (200–1000 nm, 1 nm steps)</li> </ul> <b>Interface &amp; Software</b> <ul style="list-style-type: none"> <li>Standalone use via 7-inch touchscreen</li> <li>PC Control: Open License Software; Multi-Instrument Software</li> <li>Includes desktop or laptop computer and AVR</li> </ul>	<b>MOLECULAR BIOLOGY LABORATORY</b>  <b>MICROPLATE SPECTROPHOTOMETER</b> <ul style="list-style-type: none"> <li>Screen: 7-inch touchscreen display</li> <li>Wavelength Selection: Monochromator</li> <li>Light Source: <b>Xenon</b> Flash lamp</li> <li>Wavelength Range: 200–1000 nm (1 nm steps)</li> <li>Read-out Range: Up to 4 absorbance units</li> <li>Resolution: 1 nm</li> <li>Bandwidth: &lt; 2.5 nm</li> <li>Photometric Linearity: 0–2.5 Abs, 2% @ 450 nm</li> <li>Accuracy:               <ul style="list-style-type: none"> <li>1.0% + 0.003 Abs (0–2.0 Abs)</li> <li>2% (2.0–2.5 Abs) at 450 nm</li> </ul> </li> <li>Plate Formats: 6- to 48-, 96-, and 384-well plates; micro-Drop Plate</li> <li>Cuvettes: Supported</li> <li>Measurement Speed:               <ul style="list-style-type: none"> <li>96-well microplate: 6 seconds (fast mode)</li> <li>384-well microplate: 10 seconds (fast mode)</li> </ul> </li> <li>Plate Shaking: Linear</li> <li>Spectral Scanning Speed: 10 seconds (200–1000 nm, 1 nm steps)</li> </ul> <b>Interface &amp; Software</b> <ul style="list-style-type: none"> <li>Standalone use via 7-inch touchscreen</li> <li>PC Control: Open License Software; Multi-Instrument Software</li> <li>Includes desktop or laptop computer and AVR</li> </ul>



<p>Connections</p> <ul style="list-style-type: none"> <li>1 × USB-B port (for PC)</li> <li>1 × Ethernet port</li> <li>3 × USB-A ports (for devices, USB memory, Wi-Fi dongle)</li> </ul> <p>Power</p> <ul style="list-style-type: none"> <li>Mains Input: 100–240 V, 50/60 Hz</li> <li>Max Power Consumption: 110 W</li> <li>Power Save Consumption: &lt; 2.5 W</li> </ul> <p>Physical Specs</p> <ul style="list-style-type: none"> <li>Weight: approx. 11.3 kg – 15kg</li> </ul> <p>Warranty &amp; Support</p> <ul style="list-style-type: none"> <li>1-year warranty (parts and service)</li> <li>On-site training conducted by a trained Field Application Specialist</li> <li>Calibration included</li> </ul>	<p>Connections</p> <ul style="list-style-type: none"> <li>1 × USB-B port (for PC)</li> <li>1 × Ethernet port</li> <li>3 × USB-A ports (for devices, USB memory, Wi-Fi dongle)</li> </ul> <p>Power</p> <ul style="list-style-type: none"> <li>Mains Input: 100–240 V, 50/60 Hz</li> <li>Max Power Consumption: 110 W</li> <li>Power Save Consumption: &lt; 10W</li> </ul> <p>Physical Specs</p> <ul style="list-style-type: none"> <li>Weight: approx. 10.8kg – 15kg</li> </ul> <p>Warranty &amp; Support</p> <ul style="list-style-type: none"> <li>1-year warranty (parts and service)</li> <li>On-site training conducted by a trained Field Application Specialist</li> <li>Calibration included</li> </ul>
<p><b>MICROPIPETTE (Single Channel)</b></p> <p>Package Includes:</p> <p>4 single channel pipettes</p> <ul style="list-style-type: none"> <li>Linear stand</li> <li>Matching pipette tips (in racks)</li> </ul> <ul style="list-style-type: none"> <li>Pipette Features:           <ul style="list-style-type: none"> <li>Adjustable volume setting with click stops</li> <li>Thermal insulation of internal components</li> <li>High chemical and UV resistance</li> <li>Fully autoclavable without disassembly</li> </ul> </li> <li>Pipette Volumes (with increments):           <ul style="list-style-type: none"> <li>0.1–3 µL (increment: 0.002)</li> <li>2–20 µL (increment: 0.02)</li> <li>20–200 µL (increment: 0.20)</li> <li>100–1000 µL (increment: 1.00)</li> </ul> </li> <li>Pipette Tips (Pre-sterilized, RNase/DNase/Endotoxin-free):           <ul style="list-style-type: none"> <li>10 pcs × 96 racks (0.1–10 µL)</li> <li>20 pcs × 96 racks (0.5–200 µL)</li> <li>10 pcs × 96 racks (10–1000 µL)</li> <li>Tips also available in boxes</li> </ul> </li> <li>Support:           <ul style="list-style-type: none"> <li>Training provided</li> <li>One year warranty included</li> <li>Annual Recalibration for 3 years</li> </ul> </li> </ul> <p><b>QTY: 1 UNIT: UNIT</b></p>	<p><b>MICROPIPETTE (Single Channel)</b></p> <p>Package Includes:</p> <p>4 single channel pipettes</p> <ul style="list-style-type: none"> <li>Linear stand</li> <li>Matching pipette tips (in racks)</li> </ul> <ul style="list-style-type: none"> <li>Pipette Features:           <ul style="list-style-type: none"> <li>Adjustable volume setting with click stops or equivalent</li> <li>Thermal insulation of internal components</li> <li>High chemical and UV resistance</li> <li>Fully autoclavable without disassembly</li> </ul> </li> <li>Pipette Volumes (with increments):           <ul style="list-style-type: none"> <li>0.2-2 µL (increment: 0.002)</li> <li>2–20 µL (increment: 0.02)</li> <li>20–200 µL (increment: 0.20)</li> <li>100–1000 µL (increment: 1.00)</li> </ul> </li> <li>Pipette Tips (Pre-sterilized, RNase/DNase/Endotoxin-free):           <ul style="list-style-type: none"> <li>10 pcs × 96 racks (0.1–10 µL)</li> <li>20 pcs × 96 racks (0.5–200 µL)</li> <li>10 pcs × 96 racks (10–1000 µL)</li> <li>Tips also available in boxes</li> </ul> </li> <li>Support:           <ul style="list-style-type: none"> <li>Training provided</li> <li>One year warranty included</li> <li>Annual Recalibration for 3 years</li> </ul> </li> </ul> <p><b>QTY: 3 UNITS: UNIT</b></p>
<p><b><u>TECHNICAL &amp; SCIENTIFIC EQUIPMENT FOR SCHOOL OF MEDICINE (SOM)</u></b></p> <p><b>NEWBORN INJECTION TRAINING ARM</b></p> <ul style="list-style-type: none"> <li>Purpose:           <ul style="list-style-type: none"> <li>Simulates the arm of a newborn for IV skills training</li> <li>Allows practice in:               <ul style="list-style-type: none"> <li>Newborn IV administration</li> <li>Phlebotomy</li> <li>Drug administration</li> </ul> </li> </ul> </li> </ul>	<p><b><u>TECHNICAL &amp; SCIENTIFIC EQUIPMENT FOR SCHOOL OF MEDICINE (SOM)</u></b></p> <p><b>NEWBORN INJECTION TRAINING ARM</b></p> <ul style="list-style-type: none"> <li>Purpose:           <ul style="list-style-type: none"> <li>Simulates the arm of a newborn for IV skills training</li> <li>Allows practice in:               <ul style="list-style-type: none"> <li>Newborn IV administration</li> <li>Phlebotomy</li> <li>Drug administration</li> </ul> </li> </ul> </li> </ul>





<ul style="list-style-type: none"><li>• <b>Product Features:</b><ul style="list-style-type: none"><li>○ Medial venous structure</li><li>○ Two veins in dorsum of hand</li><li>○ Radial and brachial arteries</li><li>○ Squeeze bulb to simulate collapsed or normal veins</li><li>○ Easily replaceable skin and veins (withstand multiple needle sticks)</li></ul></li><li>• <b>Package Contents:</b><ul style="list-style-type: none"><li>○ Newborn Injection Training Arm</li><li>○ Mounted on base</li><li>○ Blood bag and stand</li><li>○ Synthetic blood concentrate</li><li>○ Squeeze bulb</li><li>○ Spare arm skin</li><li>○ Soft carrying bag</li><li>○ Instruction manual</li></ul></li><li>• <b>Support:</b><ul style="list-style-type: none"><li>○ Training included</li><li>○ One year warranty included</li><li>○ Calibration included</li></ul></li></ul>	<ul style="list-style-type: none"><li>• <b>Product Features:</b><ul style="list-style-type: none"><li>○ Medial venous structure</li><li>○ Two veins in dorsum of hand</li><li>○ Radial and brachial arteries</li><li>○ Squeeze bulb to simulate collapsed or normal veins</li><li>○ Easily replaceable skin and veins (withstand multiple needle sticks)</li></ul></li><li>• <b>Package Contents:</b><ul style="list-style-type: none"><li>○ Newborn Injection Training Arm</li><li>○ Mounted on base</li><li>○ Blood bag and stand</li><li>○ Synthetic blood concentrate</li><li>○ Squeeze bulb</li><li>○ Spare arm skin</li><li>○ Soft carrying bag</li><li>○ Instruction manual</li></ul></li><li>• <b>Support:</b><ul style="list-style-type: none"><li>○ Training included</li><li>○ One year warranty included</li><li>○ Calibration included</li></ul></li></ul> <p><b>QTY: 1 UNIT: UNIT</b></p>
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For guidance and information of all concerned.

**REDACTED**

**MICHELLE V. JAPITANA, D. Eng.**  
Chairperson, Bids and Awards Committee