



November 29, 2022

**Bid Bulletin No. 2**

**Subject: SUPPLY, DELIVERY AND INSTALLATION OF TECHNICAL AND SCIENTIFIC EQUIPMENT FOR PHILRICE LOS BAÑOS PB 22-04-24**

This bid bulletin is being issued to reflect the changes in the Technical Specification of item no. 2 for the Supply, Delivery and Installation of Technical and Scientific Equipment for PhilRice Los Baños PB 22-04-24.

**Section VII. Technical Specifications**

FROM	TO
<p><b>2. One (1) Unit PCR Machine (Real time quantitative PCR)</b></p> <ul style="list-style-type: none"><li>With High Resolution Melt</li><li>Temperature Accuracy: <math>\pm 0.25^{\circ}\text{C}</math></li><li>Temperature Uniformity: <math>\pm 0.25^{\circ}\text{C}</math></li><li>Ramp Rates Heating: <math>4^{\circ}\text{C/s}</math></li><li>Ramp Rates Cooling: <math>3^{\circ}\text{C/s}</math></li><li>Temperature Input Range: <math>40^{\circ}\text{C/s}</math></li><li>Detectors: Photodiode per channel</li><li>Excitation Sources: High Power Led for each channel</li><li>Acquisition Time: 1 Sec</li><li>Samples per instrument: 48</li><li>Reaction Volume Range: 5-30 microliters</li><li>Channels: Green (EX 465NM, EM 510NM)</li><li>Yellow (EX 540NM, EM 570NM)</li><li>Orange (EX 585NM, EM 618NM)</li><li>Red (EX 635NM, EM 675NM)</li><li>Power Requirement: minimum of 550Watts</li><li>UPS: 1.2-1.5KVA</li></ul> <p>Warranty: 1 year on parts and 2 years on services/maintenance</p> <p>Inclusion:</p> <ol style="list-style-type: none"><li>1. Starter Kit (Compatible PCR Plates and qPCR Master Mix)</li><li>2. Compatible Desktop Computer (All-in One)</li></ol>	<p><b>2. One (1) Unit PCR Machine (Real time quantitative PCR)</b></p> <ul style="list-style-type: none"><li>With High Resolution Melt</li><li>Temperature Accuracy: <math>\pm 0.25^{\circ}\text{C}</math></li><li>Temperature Uniformity: <math>\pm 0.05^{\circ}\text{C}</math></li><li>Ramp Rates Heating: <math>4^{\circ}\text{C/s}</math></li><li>Ramp Rates Cooling: <math>3^{\circ}\text{C/s}</math></li><li>Temperature Input Range: <math>40-99^{\circ}\text{C}</math></li><li>Detectors: Photodiode or Photo-Multiplier per channel</li><li>Excitation Sources: High Power Led for each channel</li><li>Acquisition Time: 1 Sec</li><li>Samples per instrument: 48</li><li>Reaction Volume Range: 5-30 microliters</li><li>Channels: Green (EX 465NM, EM 510NM) or its equivalent</li><li>Yellow (EX 540NM, EM 570NM) or equivalent</li><li>Orange (EX 585NM, EM 618NM) or equivalent</li><li>Red (EX 635NM, EM 675NM) or equivalent</li><li>Power Requirement: minimum of 360W</li></ul> <p>Warranty: 1 year on parts on services/maintenance</p> <p>Inclusion:</p> <ol style="list-style-type: none"><li>1. 20 racks of 48 pieces PCR tubes</li><li>2. One-time onsite training and installation in Los-Baños.</li></ol>

Furthermore, attached document is the revised Section VII of the bidding documents as reference in the preparation of bid proposals. The Section VII (Technical Specifications) must



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be included in the bid proposal as part of the Eligibility and Technical Component (1<sup>st</sup> envelope) to signify the conformity to the changes in the revised document.

Please be guided accordingly.

  
**LUIS ALEJANDRE I. TAMANI**

Vice Chairperson, BAC for Goods and Services

**SECTION VII. Technical Specifications**

Item	Specification	Statement of Compliance
		<p>Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p>
1	<p><b>One (1) Unit Tissue Homogenizer</b></p> <ul style="list-style-type: none"><li>- Typical run time: approximately 15 sec 2x3 minutes at 15-30hz</li><li>- Technical data:</li><li>- Min:100-120V/Max: 220-400V, 50/60 HZ,</li><li>- Variable Speeds from 3 to 30 HZ (180-1800 oscillations/minute)</li><li>- Vertical type</li><li>- Compatible with kits for purifying</li><li>- RNA/DNA/PROTEIN</li><li>- Throughput: 2 x 96 collection microtubes (12 ml) or 2 x 24 microcentrifuge tubes (2ml)</li><li>- Inclusion: 1 pack metal balls</li></ul> <p>Features:</p> <p>Convenient and secure disruption process, adapter sets optimized for high-throughput disruption.</p>	



	<p>Wide range of accessories available.  Reproducible results with difficult-to-lyse tissues.  Uses bead mill technology.</p> <p>Warranty: 1 year on parts and 2 years on services and maintenance.</p>	
2	<p><b>One (1) Unit PCR Machine (Real time quantitative PCR)</b></p> <ul style="list-style-type: none"> <li>– With High Resolution Melt</li> <li>– Temperature Accuracy: <math>\pm 0.25^{\circ}\text{C}</math></li> <li>– Temperature Uniformity: <math>\pm 0.05^{\circ}\text{C}</math></li> <li>– Ramp Rates Heating: <math>4^{\circ}\text{C/s}</math></li> <li>– Ramp Rates Cooling: <math>3^{\circ}\text{C/s}</math></li> <li>– Temperature Input Range: <math>40\text{--}99^{\circ}\text{C}</math></li> <li>– Detectors: Photodiode or Photo-Multiplier per channel</li> <li>– Excitation Sources: High Power Led for each channel</li> <li>– Acquisition Time: 1 Sec</li> <li>– Samples per instrument: 48</li> <li>– Reaction Volume Range: 5-30 microliters</li> <li>– Channels: Green (EX 465NM, EM 510NM) or equivalent</li> <li>– Yellow (EX 540NM, EM 570NM) or equivalent</li> <li>– Orange (EX 585NM, EM 618NM) or equivalent</li> <li>– Red (EX 635NM, EM 675NM) or equivalent</li> <li>– Power Requirement: minimum of 360W</li> </ul> <p>Warranty: 1 year on parts services/maintenance</p> <p>Inclusion:</p> <ol style="list-style-type: none"> <li>1. One-time onsite training and installation in Los-Baños.</li> <li>2. 20 racks of 48 pieces PCR tubes.</li> </ol>	
3	<p><b>One (1) Unit Laminar Flow Hood (Plexi-glass)</b></p> <ul style="list-style-type: none"> <li>– Horizontal: Work Table</li> <li>– 304 Stainless Steel Natural Ventilation, Velocity Control</li> <li>– Acid and Alkaline Resistant;</li> </ul>	

	<ul style="list-style-type: none"> <li>- With UV Lamp</li> <li>- Work Surface Height: (750mm) main</li> <li>- Body</li> <li>- Work Surface Area: (LxW) 2ft X 2ft</li> <li>- Cold Rolled Steel with Anti-Bacteria -Powder Coating; Pre Filter, Polyester Fiber, Washable; Hepa Filter: 99.9%</li> <li>- Efficiency At 0.3um:</li> <li>- Noise: 65db(B)</li> <li>- Airflow Velocity: Ave. of 0.30-0.45 m/s: Side windows: 8mm Toughened Glass, Anti UV;</li> <li>- -Package Size: 1650x1350mm</li> <li>- -Power Supply: AC220v+10%; 50/60hz)</li> </ul> <p>Warranty: 1 year on parts and 2 years on services/maintenance</p> <p>Inclusion:</p> <ol style="list-style-type: none"> <li>1. Additional/extra UV Lamp and Hepa Filter.</li> </ol>	
4	<p><b>Two (2) Unit Thermal Cyclers (conventional PCR)</b></p> <ul style="list-style-type: none"> <li>- Sample Capacity: 96x 0.2ml</li> <li>- Peltier element</li> <li>- Block Material: Aluminum Alloy</li> <li>- Temperature Range: 4-105°C</li> <li>- Heating Rate: 5°C/s</li> <li>- Cooling Rate 4 °C/s</li> <li>- Block Temperature Accuracy ± 0.2°C -of Programmed Target</li> <li>- Control Accuracy: ± 0.1°C (30-99.9 °C)</li> <li>- Uniformity: ± 0.2 °C (30-72 °C, 10sec) ± 0.3 °C (90 °C,10sec)</li> <li>- Control Mode: Block, Tube</li> <li>- Hot-Lid Temperature: 30-110 °C</li> <li>- Gradient Range: 1 to 30°C</li> <li>- Gradient Temperature Range: 30-100 °C</li> <li>- Display Screen: at least 7 inches, 800x600 Pixels, TFT, Touch</li> <li>- Programs Saving: at least 350 Files + USB Flash Drive</li> <li>- Capable of the Following: Power-Off</li> <li>- Recovery</li> <li>- Temperature Times</li> </ul>	

	<ul style="list-style-type: none"> <li>- Increase/Decrease Progressively,</li> <li>- Pause Function</li> <li>- Support For Touch Screen</li> <li>- Connection: USB Ethernet</li> <li>- With Network Control</li> <li>- Input Voltage: approximately AC85-264,47-63 Hz</li> <li>- Input Power: 600w</li> <li>- With Standard Warranty of 2 Years (parts and service)</li> <li>- UPS: 1.2-1.5KVA</li> <li>- With Preloaded Protocol</li> </ul> <p>Warranty: 2 years on parts and services/maintenance</p>	
5	<p><b>One (1) Unit UV/Vis Spectrophotometer</b></p> <ul style="list-style-type: none"> <li>- Microplate Spectrophotometer</li> <li>- Plate Type: 6 To 382 Well Plates</li> <li>- Bandwidth: 5nm</li> <li>- Accuracy: <math>\pm 2</math> nm</li> <li>- Hertz: 50/60hz</li> <li>- Includes Gen5 Microplate</li> <li>- Data Analysis Software</li> <li>- Light Source: Xenon Flash</li> <li>- Wavelength Range: 200 To 999 NM</li> <li>- Resolution: 0.0001 OD</li> <li>- Precision: <math>\pm 0.2</math>nm</li> <li>- Voltage: 100/240v</li> <li>- Cuvette Size: 0.5nm</li> <li>- Certification/ Compliance: CE and TUV Marked.</li> <li>- ROHS Compliant</li> </ul> <p>Warranty: 1 year on parts and 2 years on service</p> <p>Inclusion:</p> <ol style="list-style-type: none"> <li>1. USB, SD Card and internal data storage for convenient retrieval of methods and results</li> <li>2. Compatible Desktop Computer (All-in One)</li> </ol>	
	*****nothing follows*****	