



November 28, 2022

Bid Bulletin No. 1

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 Schedule of Requirements and Technical Specifications for the Supply, Delivery and Installation of Technical and Scientific Equipment for PhilRice Los Baños PB 22-04-24.

Section VI. Schedule of Requirements

FROM	TO
Item no. 4 Thermal Cycler 1 unit 740,000.00	Item no. 4 Thermal Cycler 2 unit 740,000.00

Section VII. Technical Specifications

FROM	TO
<p>1. One (1) Unit Tissue Homogenizer</p> <ul style="list-style-type: none"> • Typical run time: 15 sec 2x3 minutes at 15-30hz <p>2. One (1) Unit PCR Machine (Real time quantitative PCR)</p> <ul style="list-style-type: none"> - With High Resolution Melt - Temperature Accuracy: $\pm 0.25^{\circ}\text{C}$ - Temperature Uniformity: $\pm 0.25^{\circ}\text{C}$ - Ramp Rates Heating: 4°C/s - Ramp Rates Cooling: 3°C/s - Temperature Input Range: 40°C/s - Detectors: Photodiode per channel - Excitation Sources: High Power Led for each channel - Acquisition Time: 1 Sec - Samples per instrument: 48 - Reaction Volume Range: 5-30 microliters - Channels: Green (EX 465NM, EM 510NM) - Yellow (EX 540NM, EM 570NM) - Orange (EX 585NM, EM 618NM) - Red (EX 635NM, EM 675NM) - Power Requirement: minimum of 550Watts - UPS: 1.2-1.5KVA <p>Warranty: 1 year on parts and 2 years on</p>	<p>1. One (1) Unit Tissue Homogenizer</p> <ul style="list-style-type: none"> • Typical run time: approximately 15 sec 2x3 minutes at 15-30hz <p>2. One (1) Unit PCR Machine (Real time quantitative PCR)</p> <ul style="list-style-type: none"> - With High Resolution Melt - Temperature Accuracy: $\pm 0.25^{\circ}\text{C}$ - Temperature Uniformity: $\pm 0.05^{\circ}\text{C}$ - Ramp Rates Heating: 4°C/s - Ramp Rates Cooling: 3°C/s - Temperature Input Range: $40-99^{\circ}\text{C}$ - Detectors: Photodiode or Photo-Multiplier per channel - Excitation Sources: High Power Led for each channel - Acquisition Time: 1 Sec - Samples per instrument: 48 - Reaction Volume Range: 5-30 microliters - Channels: Green (EX 465NM, EM 510NM) or its equivalent - Yellow (EX 540NM, EM 570NM) or equivalent - Orange (EX 585NM, EM 618NM) or equivalent - Red (EX 635NM, EM 675NM) or equivalent - Power Requirement: minimum of 360W





services/maintenance

Inclusion:

1. Starter Kit (Compatible PCR Plates and qPCR Master Mix)
2. Compatible Desktop Computer (All-in One)
- 4. One (1) Unit Thermal Cycler (conventional PCR)**

- Sample Capacity: 96x 0.2ml
- Peltier Number 8
- Block Material: Aluminum Alloy
- Temperature Range: 0-100°C
- Heating Rate: 5°C/s
- Cooling Rate 4°C/s
- Block Temperature Accuracy $\pm 0.2^\circ\text{C}$ of Programmed Target
- Control Accuracy: $\pm 0.1^\circ\text{C}$ (30-99.9 °C)
- Uniformity: $\pm 0.2^\circ\text{C}$ (30-72°C, 10sec) $\pm 0.3^\circ\text{C}$ (90°C,10sec)
- Control Mode: Block, Tube
- Hot-Lid Temperature: 30-110°C
- Gradient Range: 130°C
- Gradient Temperature Range: 30-100 °C
- Display Screen: 8 inches, 800x600 Pixels, TFT, Touch
- Programs Saving: 10000 Files + USB Flash

Capable of the Following:

- Power-Off
- Recovery
- Temperature Times
- Increase/Decrease Progressively,
- Pause Function
- Edit File While Running.
- Support for USB Mouse,
- Support for Touch Screen
- Connection: USB Ethernet
- With Network Control with PC Control Software
- Input Voltage: AC85-264,47-63 Hz
- Input Power: 600w
- With Standard Warranty of 2 Years (parts and service)
- UPS: 1.2-1.5KVA
- With Preloaded Protocol

Warranty: 2 years on parts and services/maintenance

- UPS: 1.2-1.5KVA

Warranty: 1 year on parts on services/maintenance

Inclusion:

1. 20 racks of 48 pieces PCR tubes
2. One-time onsite training and installation in Los-Baños.
- 4. Two (2) Unit Thermal Cycler (conventional PCR)**

- Sample Capacity: 96x 0.2ml
- Peltier element
- Block Material: Aluminum Alloy
- Temperature Range: 4-105°C
- Heating Rate: 5°C/s
- Cooling Rate 4°C/s
- Block Temperature Accuracy $\pm 0.2^\circ\text{C}$ of Programmed Target
- Control Accuracy: $\pm 0.1^\circ\text{C}$ (30-99.9 °C)
- Uniformity: $\pm 0.2^\circ\text{C}$ (30-72°C, 10sec) $\pm 0.3^\circ\text{C}$ (90°C,10sec)
- Control Mode: Block, Tube
- Hot-Lid Temperature: 30-110°C
- Gradient Range: 1 to 30°C
- Gradient Temperature Range: 30-100 °C
- Display Screen: at least 7 inches, 800x600 Pixels, TFT, Touch
- Programs Saving: at least 350 Files + USB Flash Drive

Capable of the Following:

- Power-Off
- Recovery
- Temperature Times
- Increase/Decrease Progressively,
- Pause Function
- Support for Touch Screen
- Connection: USB Ethernet
- With Network Control
- Input Voltage: approximately AC85-264,47-63 Hz
- Input Power: 600w
- With Standard Warranty of 2 Years (parts and service)
- UPS: 1.2-1.5KVA
- With Preloaded Protocol

Warranty: 2 years on parts and services/maintenance



Philippine Rice Research Institute

Central Experiment Station
Maligaya, Science City of Muñoz, 3119 Nueva Ecija

Quality Rice. Quality Life.



Furthermore, attached document is the revised Section VI and VII of the bidding documents as reference in the preparation of bid proposals. The Section VI (Schedule of Requirements) and Section VII (Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st 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 VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item no.	Description	Quantity	Unit	Total ABC	Division	Delivery Period
1	Tissue Homogenizer	1	unit	1,450,000.00	DA- PhilRice Los Baños	30 calendar days
2	PCR Machine	1	unit	1,150,000.00		
3	Laminar Flow Hood	1	unit	350,000.00		
4	Thermal Cyclor	2	unit	740,000.00		
5	UV/Vis Spectrophotometer	1	unit	620,000.00		

Total ABC: PHP 4,310,000.00

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance
1	<p>One (1) Unit Tissue Homogenizer</p> <ul style="list-style-type: none"> - Typical run time: approximately 15 sec 2x3 minutes at 15-30hz - Technical data: - Min:100-120V/Max: 220-400V, 50/60 HZ, - Variable Speeds from 3 to 30 HZ (180-1800 oscillations/minute) - Vertical type - Compatible with kits for purifying - RNA/DNA/PROTEIN - Throughput: 2 x 96 collection microtubes (12 ml) or 2 x 24 microcentrifuge tubes (2ml) - Inclusion: 1 pack metal balls <p>Features: Convenient and secure disruption process, adapter sets optimized for high-throughput disruption. Wide range of accessories available. Reproducible results with difficult-to-</p>	<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>

	<p>lyse tissues. Uses bead mill technology. Warranty: 1 year on parts and 2 years on services and maintenance.</p>	
2	<p>One (1) Unit PCR Machine (Real time quantitative PCR)</p> <ul style="list-style-type: none"> - With High Resolution Melt - Temperature Accuracy: ± 0.25 °C - Temperature Uniformity: ± 0.05°C - Ramp Rates Heating: 4 °C/s - Ramp Rates Cooling: 3 °C/s - Temperature Input Range: 40-99°C - Detectors: Photodiode or Photo-Multiplier per channel - Excitation Sources: High Power Led for each channel - Acquisition Time: 1 Sec - Samples per instrument: 48 - Reaction Volume Range: 5-30 microliters - Channels: Green (EX 465NM, EM 510NM) or equivalent - Yellow (EX 540NM, EM 570NM) or equivalent - Orange (EX 585NM, EM 618NM) or equivalent - Red (EX 635NM, EM 675NM) or equivalent - Power Requirement: minimum of 360W - UPS: 1.2-1.5KVA <p>Warranty: 1 year on parts services/maintenance</p> <p>Inclusion:</p> <ol style="list-style-type: none"> 1. One-time onsite training and installation in Los-Baños. 2. 20 racks of 48 pieces PCR tubes. 	
3	<p>One (1) Unit Laminar Flow Hood (Plexi-glass)</p> <ul style="list-style-type: none"> - Horizontal: Work Table - 304 Stainless Steel Natural Ventilation, Velocity Control - Acid and Alkaline Resistant; - With UV Lamp - Work Surface Height: (750mm) main - Body - Work Surface Area: (LxW) 2ft X 	

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

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