



28 May 2024

Bid Bulletin No. 1

**Subject: SUPPLY AND DELIVERY OF VARIOUS LABORATORY EQUIPMENT
PB 24-02-22**

This bid bulletin is being issued to clarify and amend Section VI. Schedule of Requirements and Section VII. Technical Specifications in the bidding document.

Please refer to the attached documents for complete details.

Section VII (Revised Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st envelope) to signify conformity to the revisions.

Please be guided accordingly.

LEYLANI M. JULIANO

Vice Chairperson, BAC for Goods and Services

Better Rice Communities.

Email: prri.mail@mail.philrice.gov.ph **Text Center:** (+63) 917-111-7423

Websites: www.philrice.gov.ph, www.pinoyrice.com

Social Media: [web.facebook.com/DAPhilRice](https://www.facebook.com/DAPhilRice)

Liaison Office: 3rd Floor, ATI building, Elliptical Road, Diliman, Quezon City

Mobile No.: (+63)928-915-9628



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.

tem no.	Description	Unit	Qty	Total ABC	Division	Delivery Period
1	Blue Light Transilluminators	unit	1	300,000.00	CBC	60 calendar days upon receipt of PO/NTP
2	Thermomixer	unit	1	450,000.00		
3	Fluorometer for DNA, RNA, and Protein Quantification	unit	1	600,000.00		
4	Electroporator	unit	1	1,000,000.00		
5	Polyacrylamide Gel Electrophoresis System	unit	8	3,600,000.00		
6	Stereo Microscope	unit	2	300,000.00		
7	Leaf Porometer	unit	1	1,600,000.00		

TOTAL ABC = P7, 850,000.00

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance
		<i>[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 Bidder’s 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.]</i>
1.	<p>One (1) unit Blue Light Transilluminators</p> <ul style="list-style-type: none">- compact- Dimensions of 200 to 220 mm x 210 x 30 mm-Image range of fluorophores, (EtBr, SYBR@Safe, GelGreen, SYBR@Gold SYBR@Green, SYPRO@Ruby, SYPRO@Orange, GelRed™)- high intensity LED-LED is safe to skin and eyes with no Damage to DNA.-Blue light spectrum emitted by transilluminator should typically peak around 470nm-amber cover for filtering blue light <p>Inclusion:</p> <ul style="list-style-type: none">- Four (4) extra LED bulb- One (1) Goggles or full-face helmet <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales etc)	
2.	<p>One (1) unit Thermomixer</p> <p>Specifications: 20.6x30.4x13.6 cm/8.1x12.0x5.4 in</p> <p>Max Speed: 3, 000 rpm,</p>	

	<p>Mixing and vortexing radius: 1.5 mm, Mixing frequency: 300 to 3,000 rpm, Mixing orbit: 3 mm (maximum) Temperature accuracy: Max +/- 0.5 degree Celsius at 20 to 45 degree Celsius, Temperature settings: 1 degree Celsius / 100 degree Celsius, Timer: 15 sec to 99:30 h, continuous, Heating rate: Max 7 degree Celsius /min Cooling rate: Maximum 2.5 degree Celsius/min between 100 degrees Celsius and RT, Interfaces: USB interface, Power supply: 220 to 240 V, 50 to 60 Hz , Max Power consumption: 200 W, Temperature range: minimum 15 degree Celsius below RT, maximum 100 degree Celsius,</p> <p>Inclusions:</p> <ul style="list-style-type: none">- One (1) piece heatblock PCR 96 well with Lid,- One (1) piece heatblock 0.5 mL for 24 reaction vessels 0.5 mL with lid,- One (1) piece heatblock 2.0 mL24 reaction vessels with lid.- with compatible UPS <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales etc)	
3.	<p>One (1) unit Fluorometer for DNA, RNA, and Protein Quantification</p> <p>Physical Characteristics:</p> <p>Instrument type: Benchtop fluorometer Operating power: 100-240 VAC, 1.0 A/1.2 A Frequency: 50/60 Hz Electrical input: 12 VDC, 2.5A Operating temperature: 10-40 degree Celsius Operating humidity: 20-80% (non-condensing) User interface: color touchscreen</p> <p>Technical specifications</p> <p>Dynamic range: 5 orders of magnitude Processing time: <5 seconds/sample Light sources: Blue LED (peak ~470 nm) & Red LED (peak ~635 nm)</p>	

	<p>Excitation filters: Blue LED (430 to 495 nm) and Red LED (600 to 645 nm)</p> <p>Emission filters: Green (510 to 580 nm) and Red (665 to 720 nm)</p> <p>Detectors: Photodiodes: measurement capability from 300 to 1,000 nm</p> <p>Calibration type: 2- or 3-point standard</p> <p>Sample chamber: Accommodates one Assay Tube</p> <p>Tube type: Assay Tube</p> <p>Warm-up time: <35 seconds</p> <p>Sample data storage: 1,000 samples</p> <p>Hardware</p> <p>Display: capacitive touchscreen with high-resolution color display</p> <p>Data ports: USB cable port (type mini-B) & USB drive port (type A)</p> <p>Networking capabilities: Transfer data directly to computer using a USB cable or wirelessly using the supplied Wi-Fi adaptor</p> <p>Power supply: AC adapter with country-specific power cords</p> <p>USB drive: 4 GB</p> <p>Fluorometer unit with includes:</p> <ul style="list-style-type: none">- 50 assays Verification Kit- 100 assays 1X dsDNA HS Kit- 100 assays 1X dsDNA BR Kit- 75 assays RNA IQ Kit,- 100 assays RNA HS Kit 100 assays RNA BR Kit- 100 assays Protein BR Kit <p>Additional inclusion:</p> <ul style="list-style-type: none">- 500 polypropylene tubes Compatible with the equipment- 150 assays RNA Integrity and Quality (IQ) Kit- 300 assays RNA Broad Range (BR) Kits, Quantitation range 10-1200 ng <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance and Calibration <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales etc)	
4.	<p>One (1) unit Gene Pulser Electroporator</p> <p>Input Current: 2 amp RMS (100 to 120 V) 1 amp RMS (220 to 240 V)</p> <p>Maximum Output Voltage and Current: 3000 V peak into > 3.3 kilohm load Limited to 100 amp peak maximum</p>	

	<p>Output Waveform: Decaying exponential waveform with RC time constant of 5 msec, assuming loads of -3.3 kilohm</p> <p>Output Voltage Adjustment: Voltage adjustable in 200 to 3000 V range with 10 V display resolution; 10 pre-programmed voltage steps</p> <p>Ambient Operating Temperature: 3.5 to 35 degree Celsius</p> <p>Dimensions (H x W x D): 8 x 21 x 31 cm</p> <p>Weight: 2.9 kg (6.4 lbs)</p> <p>Inclusions</p> <ol style="list-style-type: none">1. Cuvette chamber with leads2. Ten (10) sterile electroporation cuvettes (five each of 0.1 cm and 0.2 cm electrode gap width) <p>Other inclusions:</p> <ol style="list-style-type: none">1. Automatic Voltage Regulator, 1 kVA, 1 unit2. Uninterruptible Power Supply, 1 kVA, 1 unit3. Training on basic operation and troubleshooting (one (1) day) <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance and Calibration/Validation Certificate <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales etc)	
5.	<p>Eight (8) units Polyacrylamide Gel Electrophoresis System</p> <p>Dual Triple-Wide Mini-Verticals; for SDS-PAGE and native PAGE - 33cm (w) x 10cm (h)</p> <p>Includes:</p> <ul style="list-style-type: none">- Electrophoresis cell with cooling chamber and coolant recirculation ports- Platinum electrodes- Safety cover with power leads- 4 pcs White Open-mouth Clamps- 6 pcs Large closed-mouth Clamps- 2 combs, 1.5mm x 102 well, Taper Tooth- 2 sets spacers, 1.5mm x 10cm x 0.75mm- 2 sets glass plates, 33cm x 10cm Rounded- 2 lengths long-lasting silicone gaskets- Conversion plate for running one gel at a time- compatible UPS or AVR <p>Inclusion of extra sets of accessories:</p>	

	<ul style="list-style-type: none">- 2 Combs, 1.5mm x 102 well, Taper Tooth- 1 set Glass Plates, 33cm x 10cm Rounded- 1 set Spacers, 1.5mm x 10cm- 2 lengths long-lasting silicone gaskets- 2 pcs White Open-mouth Clamps- 2 pcs Large closed-mouth Clamps 1 pc Wedge Plate Separator, Pk of 4- Power Supplies Light and stackable design- Universal input power supply- Parameters are set by pressing UP/DOWN arrow buttons in combination with a MODE button- Power output is controlled by setting a maximum value for voltage or current. The power supply automatically crosses over or switches the limiting parameter according to the programmed limits as the resistance of the electrical load changes during a run.- Safety features on all <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: Three (3) Years Preventive Maintenance and Calibration <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales etc)3. Certificate of availability of spare parts for five (5) years	
6.	<p>Two (2) units Stereo Microscope</p> <ul style="list-style-type: none">- with Binocular Head and/ or Trinocular Head with digital head with built-in 3MP camera.- offers upright, un-reversed 3D images that remain in focus throughout the zoom range;- With high quality optical components, providing sharp and striking contrast image and ensure flat image at large depth of field,- Ease the tiredness with ergonomic design.- With LED light for both incident and transmitted illumination, Providing even illumination-five (5) years warranty- With Complete eyepieces, objectives and accessories, it is an ideal instrument for industry assembling, inspection and teaching field-with calibration certificate <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance and Calibration	

	<p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business.2. The brand must be at least 5 years in the market (supported by proof of sales etc)	
7.	<p>One (1) unit Leaf Porometer</p> <p>Measurement Time Porometer: 5 to 15 seconds typically, depending on species, leaf surface characteristics, and leaf conditions Fluorometer: 1 second</p> <p>Operating Conditions Temperature: 0 to 50 degree Celsius Pressure: 50 to 110 kPA Humidity: 0 to 85% RH; noncondensing</p> <p>Weight: 0.68 kg (only porometer); 0.73 kg with fluorometer</p> <p>Dimensions: 32.4 cm x 16.9 cm x 6.2 cm (L x W x H)</p> <p>Display Dimensions: 6.8 cm diagonally Resolution: 400 x 200 pixels; sunlight readable monochrome</p> <p>Keypad: 5-button membrane pad</p> <p>Battery: Built-in Li-ion Operating hours: 8 hours typically Capacity: 5200 mAh Recharging time: 3.5 hours typically 2 hours</p> <p>Data Storage: 128 MB Universal Charging Adapter Input: 90 to 264 VAC; 50 to 60 Hz Output: 5 VDC; 1 Amp</p> <p>Configuration software: Windows or MacOS applications</p> <p>Data Files Plain: text data compatible with any spreadsheet application or data analysis program Output: .CSV format</p> <p>Barcode Scanner: 1-D and 2-D, including Code 39, Code 128, PDF417, 100% UPC, Data Matrix, QR Code</p> <p>Photosynthetically Active Radiation (PAR) Measurement</p> <p>Units: Photosynthetic Photon Flux Density</p>	

	<p>(PPFD); $\mu\text{mol s}^{-1} \text{m}^{-2}$</p> <p>Calibration accuracy: +/-10% of reading; traceable to NIST</p> <p>Cosine Correction: Cosine corrected up to 60 degree Celsius angle of incidence</p> <p>Inclusions:</p> <ul style="list-style-type: none">- With (1) one compatible battery and/or charger <p>Warranty:</p> <ol style="list-style-type: none">1. Parts and Components: Two (2) years2. Services: One (1) Preventive Maintenance and Calibration with Calibration Certificate <p>Other requirements:</p> <ol style="list-style-type: none">1. The company must be at least 5 years in the business2. The brand must be at least 5 years in the market (supported by proof of sales, etc)3. Certificate of availability on spare parts for five (5) years4. With on-site training on basic operation and troubleshooting	
<p>Other Requirements:</p> <ol style="list-style-type: none">1. <i>Soft copy of Section VII. Technical Specifications to be emailed one day after the opening of bids or included in the bidding documents saved in CD or USB.</i>		