



**Philippine Rice Research Institute**

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

**16 October 2023**

**Bid Bulletin No. 1**

**Subject: SUPPLY, DELIVERY AND INSTALLATION OF THERMAL CYCLER, HOT PLATE MAGNETIC STIRRER AND BENCHTOP FREEZE DRYER for OneRicePh PROJECT PB 23-04-17**

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This bid bulletin is being issued to clarify and/or amend Section VI. Schedule of Requirements and Section VII. Technical Specifications for PB23-04-17 are as follows:

**See attached Revised Schedule of Requirements and Technical Specifications for complete details.**

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

Please be guided accordingly.

  
**LUIS ALEJANDRE I. TAMANI**

Chairperson, BAC for Goods and Services

**Better PhilRice. Better Rice Communities.**

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# 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.	Thermal Cyclcr	2	units	₱ 1,000,000.00	PBBD	60 calendar days upon receipt of NTP
2.	Hot Plate Magnetic Stirrer	1	unit	₱ 75,000.00		
3.	Benchtop Freeze Dryer	1	unit	₱ 1,700,000.00		
TOTAL ABC				PhP 2,775,000.00		

# SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance
		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.
1.	<p><b>Two (2) units Thermal Cycler</b></p> <p><b>Performance</b></p> <p>Sample Block/Capacity: Compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate</p> <p>Ramp rate: 0.1 - 6 °C/sec</p> <p>Average Ramp Rate - 2.5 °C/sec</p> <p>Temperature Range: 4 to 100 °C</p> <p>Temperature Accuracy: +/- 0.3 - 1 °C of programmed target</p> <p>Temperature Uniformity: +/- 0.3 - 0.5°C</p> <p><b>Gradient Temperature</b></p> <p>Gradient Capability: Yes</p> <p>Gradient Accuracy: +/- 0.5 - 1 °C of programmed temperature</p> <p>Gradient Range: 30 to 100 °C</p> <p>Temperature Differential Range:1 to 25 °C</p> <p><b>Heated Lid</b></p> <p>Temperature Setting Range: 35 - 120 °C or off</p> <p>Temperature Accuracy: +/- 0.5-1.0 °C</p> <p><b>Thermal Cycler</b></p>	

	<p>Input Power: 100 - 240 VAC, 50 - 60 Hz; 600-800W</p> <p>Display: 5 – 7” touch screen/panel</p> <p>Memory: 500 typical programs onboard; unlimited with USB flash drive expansion</p> <p>Maximum Dimensions: 20-26 x 36-47 x 21-25 cm</p> <p>Maximum Weight: 8-10 kg</p> <p>Inclusions: 1-unit compatible power UPS and AVR</p> <p>Warranty: minimum of 2 years on parts and service</p>		
2.	<p><b>One (1) unit Hot Plate Magnetic Stirrer</b></p> <p>Stirring capacity (H2O): 15 -30 L</p> <p>Speed range: 100 to 1500 rpm</p> <p>Speed display: scale</p> <p>Hotplate material: Ceramic</p> <p>Operating temperature: 25 to 450°C,</p> <p>Heated zone: 200 x 200 mm,</p> <p>Heating output: 1000-1350W</p> <p>Footprint: 250-300 x250- 300 mm,</p> <p>Dimension Range (W x D x H) : 300-328 x 365-424 x 105-138 mm,</p> <p>Main connection: 230 V, 50 Hz</p> <p>Inclusion: 1-unit compatible AVR</p> <p>Warranty: minimum of 2 years on parts and service</p>		
3.	<p><b>One (1) Unit Benchtop Freeze Dryer</b></p> <p>Minimum of 8L (-50 to -60°C) with Stainless Steel Collector Coil and Chamber</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>-Real time display of collector temperature, vacuum level and optional</li> <li>-End-Zone end point detection</li> <li>-Automatic and manual start-up modes for collector cool down and vacuum pull down</li> </ul>		

	<ul style="list-style-type: none"><li>-Vacuum set point, alerts, diagnostic tests, user manual, defrost control and optional drying accessory control,</li><li>-Data logging stores and displays data in table or graph format, and may be exported via USB</li><li>-Settings include English language, time temperature (°C or °F) and vacuum (mBar, Torr or Pa)</li><li>-Maintenance alert settings for vacuum pump and refrigeration</li><li>-Vacuum control valve</li><li>-Vacuum break valve</li><li>-Stainless steel and powder-coated steel exterior</li><li>-Quick-disconnect drain hose fitting with hose connector, silicone tubing and clamp included</li><li>-Collectors reaching -50 °C include acrylic lid.</li><li>-Hot gas defrost with auto shut off at +65 °C (+149°F)</li><li>-Upright stainless steel collector coil capable of holding 2.5 of ice before defrosting.</li><li>-Collector lid, ¾" thick, has neoprene gasket and 3" diameter</li><li>-Electrical receptacle for vacuum pump connection ¾" OD vacuum connection, 50" of ¾" ID vacuum hose and two clamps</li></ul> <p>Standards conformance &amp; regulations: UL Standard 61010-1 (115/230V, 60 Hz models) CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models) CE Conformity marking (230V, 50 Hz models) Single 1/3 hp HCFC/CFC-free refrigeration system to cool collector to - 50 °C (-58 °F) Includes: Rotary Vane Vacuum Pump With Oil Mist Exhaust Filter Cartridge (Oil Mist Trap) Clear Chamber, Short, 12.0" diameter x 16.8" height</p>	
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	<p>Installed with 1 x 6KVA UPS and compatible AVR system</p> <p>Warranty: minimum of 2 years on parts and service</p>		
<p><b>Evidences Required</b></p> <ul style="list-style-type: none"><li>• Complete technical specifications indicating all the technical specifications being offered but not limited to brand, model, place of origin, features, inclusions, warranty and installation (if applicable)</li><li>• Brochure or similar literature written in English language (with image of the product being offered)</li><li>• Certificate as authorized distributor or exclusive dealer coming from the principal.</li><li>• Certificate of Training of service engineers/technicians authorized to conduct after sales service.</li><li>• The bidder/supplier shall declare through written statement that the product being offered are repairable and that replacement parts are available for minimum of five (5) years after end of production.</li></ul> <p><b>Additional Requirements:</b></p> <ul style="list-style-type: none"><li>• <i>Onsite installation and training of personnel on operation and basic troubleshooting.</i></li><li>• <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></li></ul>			