

**University of the Philippines Manila**  
**The Health Sciences Center**  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
1	1	lot	LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)	11,000,000.00		
			<b>Technical Specifications:</b> 1) INTERCONNECTED LIS SOFTWARE, with: <ul style="list-style-type: none"> <li>• General Laboratory Module</li> <li>• Informatics/Statistics Module</li> <li>• Surgical Pathology Module</li> <li>• Blood Bank Module</li> <li>• Microbiology Module</li> <li>• Molecular Laboratory Module</li> </ul> 2) SUPPORT FOR DATA MIGRATION OF OLD DATABASE/S TO NEW DATABASE/S 3) TRAINING FOR LOCAL USERS / SUPERUSERS AND BASIC MAINTENANCE 4) 24/7 TECHNICAL SUPPORT 5) INCLUSIVE OF INITIAL CONNECTION FEE FOR CURRENT MACHINES  • <b>General Requirements (applies to all sections):</b> <ul style="list-style-type: none"> <li>○ Provide access to the LIS for at least 50 simultaneous users/workstations               <ul style="list-style-type: none"> <li>• Simultaneous users is defined as workstations running the client end of the LIS system. These include areas such as lab reception and divisions</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			doing the processing. <ul style="list-style-type: none"> <li>▪ At least 200 User accounts (ie. username-passwords).</li> <li>○ Good Connectivity               <ul style="list-style-type: none"> <li>▪ Open, up-to-date software standards that allow for interoperability</li> <li>▪ Uses latest or most relevant software specifications and standards as recommended by IT experts</li> <li>▪ Machine and/or Instrument Manager Connectivity                   <ul style="list-style-type: none"> <li>• Compatible connection type</li> <li>• Instrument Identification and Mapping</li> <li>• Support for Point-of-Care Machines</li> </ul> </li> <li>▪ Hospital Information System (HIS) connectivity                   <ul style="list-style-type: none"> <li>• Able to interface with the UP-PGH ecosystem (currently openMRS, openERP and RADISH)</li> <li>• Value-added support for any substitutions or additions to the hospital information environment</li> <li>• Two-way connectivity for results and patient-data                       <ul style="list-style-type: none"> <li>○ Linkage/retrieval of patient demographic data,</li> </ul> </li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>○ Receiving of laboratory requests</li> <li>○ Sending of laboratory results</li> <li>○ Ideally capable of printing specimen barcodes at point-of-care, if with HIS support.</li> <li>▪ Direct Patient/Client Management               <ul style="list-style-type: none"> <li>• Ability to add new patients/clients and their demographic data</li> </ul> </li> <li>○ New clients may be siloed separately from HIS, if clients are from another institution</li> <li>○ Ability to enter anonymized/coded Patients and Samples               <ul style="list-style-type: none"> <li>• Ability to “connect” or “link” a previously LIS-only record to an HIS/EMR record</li> <li>• Option to “unlink” specific entries from HIS</li> <li>• Ability to edit/change demographic data in patient entries</li> </ul> </li> <li>○ Laboratory Request Management</li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			with Dashboard <ul style="list-style-type: none"> <li>▪ Linkage of existing EMR/Electronic Tests and Ordering (ETOR) system to laboratory request module</li> <li>▪ Support for pre-scheduled test (ex. Due for extraction at set time)</li> <li>▪ Priority Management for requests (ex. Stat vs Routine)               <ul style="list-style-type: none"> <li>○ May have customized higher priority/flags (ie. “super stat”) such as (Stat – Brain Attack Protocol) or (Stat – Heart Attack Protocol)</li> </ul> </li> <li>▪ Capability to directly create laboratory requests within the LIS</li> <li>▪ Capability to edit, update, or cancel laboratory requests               <ul style="list-style-type: none"> <li>• Ideally, clinicians, via the EMR/HIS, can forward requests to edit/add to previous lab requests prior to a specific process status (ex. Anything before “completed”)</li> <li>• Ideally, laboratorians should be able to flag lab requests for review by the clinician, which will be forwarded to the EMR/HIS for their review.</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>▪ Able to order for “packages” of lab requests               <ul style="list-style-type: none"> <li>• End users should be able to add, remove, enable and/ or disable “packages”</li> <li>• (Ex. Entering “Chem-7” in the request module will request for 7 different exams under clinical chemistry)</li> </ul> </li> <li>▪ Flagging of any requests with tests marked as “unavailable”, prior to final acceptance               <ul style="list-style-type: none"> <li>• Ex. Reagents out of stock, machine under repair</li> </ul> </li> <li>▪ Customizable Dashboard per division/department (including phlebotomy) that can display/monitor:               <ul style="list-style-type: none"> <li>• Pending work, organized/filtered by:                   <ul style="list-style-type: none"> <li>○ Division-in-Charge</li> <li>○ Request Status                       <ul style="list-style-type: none"> <li>▪ Multi-stage from “requested” to “completed”</li> </ul> </li> <li>○ Patient Location</li> <li>○ Patient Name</li> <li>○ Pre-scheduled extractions                       <ul style="list-style-type: none"> <li>▪ Displayed only when near due</li> </ul> </li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			time <ul style="list-style-type: none"> <li>• Dashboard should be able to group requested tests by certain criteria, such as: division-in-charge, machine/s used.</li> <li>• Sidebar/marquee with any tests flagged as temporarily unavailable               <ul style="list-style-type: none"> <li>○ Relevant to division in charge</li> <li>○ Phlebotomy / Lab Information users should be able to view all unavailable tests</li> </ul> </li> <li>○ Sample/Specimen Management               <ul style="list-style-type: none"> <li>▪ Linkage from requesting module to sample/specimen management module</li> <li>▪ Uses a barcode system or similar machine-readable system for specimen accession/tracking                   <ul style="list-style-type: none"> <li>• Supports reading &amp; printing</li> </ul> </li> <li>▪ Capability to track location and status of specimens                   <ul style="list-style-type: none"> <li>• Acceptance of specimens from the receiving counter</li> <li>• Pre-analytic processing of specimens</li> <li>• Actual analysis</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>○ Loading of specimens to automated analyzers (bar code reading)</li> <li>○ Capability to order re-runs</li> <li>○ Capability to accept data from specimens analyzed using manual methods or from analyzers that cannot be connected to the LIS directly</li> <li>▪ Capability to generate an audit trail/chain of custody for the specimen</li> <li>▪ Capability to generate additional labels for secondary tubes               <ul style="list-style-type: none"> <li>• Ex. tube is aliquoted for another machine or for sending out</li> </ul> </li> <li>○ Results Management               <ul style="list-style-type: none"> <li>▪ Appropriate linkage to machines, specimen/request management systems, and HIS/EMR</li> <li>▪ Can include both conventional and SI units for the results</li> <li>▪ Able to display reference/normal ranges                   <ul style="list-style-type: none"> <li>• Reference ranges based on age/gender and</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			other parameters where appropriate ■ Support for manual entry and editing for results ■ Result Validation <ul style="list-style-type: none"> <li>• Support for rule-based validation</li> <li>• Able to parse and display error warnings sent by automated analyzers</li> <li>• Support for delta checking / viewing of previous results</li> </ul> ■ Flags abnormal results using user-defined rules ■ Authorized users can electronically sign out the reports ■ Can append comments to results ■ Alert system for critical values <ul style="list-style-type: none"> <li>• Adjustable critical tests and ranges</li> </ul> ■ Direct Report Generation <ul style="list-style-type: none"> <li>• Report should follow PGH-prescribed format</li> <li>• Can directly print out a hard copy of a report</li> <li>• Can export results for e-mail, or non-EMR linked electronic release</li> </ul> ○ Ideally can be handled in system for direct			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*



**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			e-mail ○ If not, then a PDF or image file is ideal. ▪ Result searching/viewing <ul style="list-style-type: none"> <li>Can restrict viewing of certain test results to certain users/groups (ex. HIV testing results, blood donor screening results)</li> </ul> ○ Laboratory Information Management <ul style="list-style-type: none"> <li>Census &amp; Report Generation               <ul style="list-style-type: none"> <li>Overall Census with multiple views, filtered and/or organized by:                   <ul style="list-style-type: none"> <li>○ Patient Detail (ward/location, by department, by class payment, by age group, by sex)</li> <li>○ Test Details (tests ordered, tests run (including re-runs), test results generated, specimens rejected, etc.)</li> <li>○ Time-Based (per shift, per month, per year, etc.)</li> <li>○ Prioritization Based (stat, routine)</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
**The Health Sciences Center**  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>○ Capability to “mix” criteria (ex. All tests in ER, organized by stat)</li> <li>▪ Report Generation (and preferably, dashboards) for:               <ul style="list-style-type: none"> <li>• Quality Control                   <ul style="list-style-type: none"> <li>○ Levey-Jennings Charts</li> <li>○ Support for Westgard Rules (preferable)</li> <li>○ Traceability of specific sets of patient results to applicable Quality Controls (preferable)</li> </ul> </li> <li>• Turn-Around time (TAT)                   <ul style="list-style-type: none"> <li>○ Can be organized like census</li> </ul> </li> </ul> </li> <li>▪ Backup               <ul style="list-style-type: none"> <li>• Capability to create backups, preferably automatically</li> <li>• Ability to export data into XLS, CSV, XML or similar standardized format.</li> <li>• Ability to archive past results for a predetermined period of time, at least 5 years.</li> </ul> </li> <li>○ Inventory and supply management</li> <li>▪ Two-way communication with</li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			machine inventory/supply management systems <ul style="list-style-type: none"> <li>• Assuming machine has on board inventory system</li> <li>▪ Ability to add/modify/withdraw stocks</li> <li>▪ Ability to track reagent and supply consumption</li> <li>▪ Generate reports about the stock on hand               <ul style="list-style-type: none"> <li>• Including lot numbers and dates of expiry</li> </ul> </li> <li>▪ Provide warnings when the reorder point is reached</li> <li>▪ Ability to modify stock parameters</li> <li>○ Security               <ul style="list-style-type: none"> <li>▪ Maintain list of authorized laboratory personnel and their permissions                   <ul style="list-style-type: none"> <li>• Require authorization by way of username log-in and password</li> <li>• Ideally with possible support for RFID or biometrics-based login (optional)</li> <li>• Able to maintain confidentiality and restrict viewing of certain test results to certain users/groups</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			(ex. HIV testing results, blood donor screening results) <ul style="list-style-type: none"> <li>▪ Audit Trail / Tracking of all user activities               <ul style="list-style-type: none"> <li>• Able to track changes done to the LIS and the database</li> </ul> </li> <li>▪ Provide industry level security for confidential information at all stages</li> <li>▪ Secure the integrity of the data (results cannot be tampered/edited after an institution-described period of time)               <ul style="list-style-type: none"> <li>• Permanently archived version of any “original” results prior to edits</li> <li>• Capability to “lock results”</li> </ul> </li> <li>▪ Provide updated anti-virus/anti-malware software for all workstations, if applicable</li> </ul> <ul style="list-style-type: none"> <li>• <b>Specific Requirements for specialized modules/divisions</b> <ul style="list-style-type: none"> <li>○ <b>Blood Bank</b> <ul style="list-style-type: none"> <li>▪ Ability to accept requests, track the process, and release results for:                   <ul style="list-style-type: none"> <li>• Blood typing</li> </ul> </li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>• Crossmatching</li> <li>• Antibody screening</li> <li>• Antibody identification</li> <li>• Antiglobulin tests</li> <li>▪ Ability to accept and process blood donor related data for whole blood donation and plasmapheresis               <ul style="list-style-type: none"> <li>• Demographics</li> <li>• Interview answers</li> <li>• Physical exam findings</li> <li>• Screening specimen and results                   <ul style="list-style-type: none"> <li>○ ABO and Rh Typing</li> <li>○ Specific RBC phenotype (antigens/antibodies)</li> <li>○ Hemoglobin</li> <li>○ Transfusion Transmissible Infections                       <ul style="list-style-type: none"> <li>▪ HIV</li> <li>▪ HBSAg and HCV</li> <li>▪ Malaria</li> <li>▪ Treponemal based assays for syphilis</li> <li>▪ Others</li> </ul> </li> </ul> </li> <li>▪ Ability to accept, retrieve, and process patient data                   <ul style="list-style-type: none"> <li>• Demographics</li> <li>• Blood Typing</li> <li>• Previous tests done</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			(antibody screening/identification ) <ul style="list-style-type: none"> <li>• Previous transfusions</li> <li>• Pending requests and units to be transfused</li> </ul> <ul style="list-style-type: none"> <li>▪ Ability to track blood unit inventory (including component preparations (aliquots))               <ul style="list-style-type: none"> <li>• Ability to register and track individual blood bags</li> <li>• Supports pack return/returning of unused blood units</li> <li>• Ability to generate censuses and reports on blood bank indicators including indicators being monitored by the DOH and other agencies</li> </ul> </li> <li>▪ Ability to track transfusion reactions and investigations</li> <li>▪ Ability to communicate with analyzers in the blood bank</li> </ul> <ul style="list-style-type: none"> <li>○ <b>Surgical Pathology</b> <ul style="list-style-type: none"> <li>▪ Linkage to EMR/HIS, as applicable, with specific request form (different from standard laboratory request)                   <ul style="list-style-type: none"> <li>• Can receive short</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			clinical history/abstract <ul style="list-style-type: none"> <li>Ideally can support/link to other relevant laboratory/imaging entries</li> <li>Additional Capabilities in the Reporting Interface:               <ul style="list-style-type: none"> <li>Supports free text entry with rich text formatting                   <ul style="list-style-type: none"> <li>Indentations, font size/formatting, tables</li> <li>Ideally with capability for automatic spell checking (optional)</li> </ul> </li> <li>Ideally supports inclusion of images and diagrams (optional)</li> <li>Support for multiple base report templates                   <ul style="list-style-type: none"> <li>Areas of template supports dropdown selections / autocomplete</li> <li>Ex. Can load template for Pap Smear result or Thyroid result</li> </ul> </li> <li>Supports implementation of a standardized synoptic system such as that recommended by the College of American</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			Pathologists (CAP) <ul style="list-style-type: none"> <li>○ Ideally be able to export data in a database/spreadsheets compatible format, such as XLS, CSV, XML or similar. (optional)</li> <li>▪ Additional Capabilities to the General Interface:               <ul style="list-style-type: none"> <li>• Capability to search by patient, by diagnosis, or by keywords</li> <li>• Ideally, capability to search by diagnosis/keywords with anonymized patient identifiers (optional)</li> </ul> </li> <li>○ <b>Molecular Laboratory Module</b> <ul style="list-style-type: none"> <li>▪ Support for COVID testing module                   <ul style="list-style-type: none"> <li>• Patient tracking/management (with CIF forms)</li> </ul> </li> <li>▪ Support for nonCOVID results</li> </ul> </li> <li>○ <b>Microbiology</b> <ul style="list-style-type: none"> <li>▪ Can either directly interface with WHONET, or export required data in a WHONet compatible</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*



**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			format (ie. csv) ■ Additional Capabilities in the Reporting Interface: <ul style="list-style-type: none"> <li>• Stringent and updated antibiotic cutoffs               <ul style="list-style-type: none"> <li>○ Specific to antibiotic type, specimen type, and patient demographics</li> </ul> </li> <li>• Electronic Lab Workbook for Microbiology               <ul style="list-style-type: none"> <li>○ Capability to Record Observations (Media Results, MIC results, AST results, etc.)</li> <li>○ Able to make informal notes</li> </ul> </li> <li>• Capability to conform with antibiotic reporting rules, as put forth by the hospital infection control unit (HICU), CLSI and/or the laboratory itself.</li> </ul> ■ Additional Capabilities to the General Interface: <ul style="list-style-type: none"> <li>• Capability to generate infection control data and reports               <ul style="list-style-type: none"> <li>○ Based on</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			specimen, location, patient ○ Antibiotic resistance reporting  <b>OTHERS</b> <ul style="list-style-type: none"> <li>24/7 technical support               <ul style="list-style-type: none"> <li>Vendor should be able to provide the following response and resolution time in case of service interruption involving their machine analyzer, including a service engineer, if necessary, and depending on the defined "Severity Level".                   <ul style="list-style-type: none"> <li>"Severity level 1: Complete loss of all services of the product and the situation is an emergency. The vendor will acknowledge within 30 minutes from the time that the call was logged with the vendor and shall remedy defects and / or provide a workaround within 1 hour of notification of the problem, with a permanent solution within an agreed time frame.                       <ul style="list-style-type: none"> <li>Response Time: 0.5 hour,</li> <li>Resolution Time: 1 hour</li> </ul> </li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>▪ Severity level 2: Severe loss of service of the product. However, operation can continue in a restricted fashion. The vendor will acknowledge within 1 hour from the time that the call was logged with the vendor and shall remedy defects and / or provide a work around within 4 hours.               <ul style="list-style-type: none"> <li>• Response Time: 1 hour,</li> <li>• Resolution Time: 4 hour</li> </ul> </li> <li>▪ Severity level 3: A minor loss of service of the product. The impact is an inconvenience. The vendor will acknowledge 8 hours from the time that the call was logged with the vendor and shall remedy defects within 5 calendar days.               <ul style="list-style-type: none"> <li>• Response Time: 8 hours,</li> <li>• Resolution Time: 5 days</li> </ul> </li> <li>• Inclusive of initial connection fee of current machines</li> <li>• PGH Machine List as of posting (Sept 28, 2022)               <ul style="list-style-type: none"> <li>○ Some reagent tie-up machines may change or be removed by the</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

**University of the Philippines Manila**  
**The Health Sciences Center**  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<p>time of implementation, depending on timing. This serves as a guide for how many and what type of machines are present.</p> <ul style="list-style-type: none"> <li>○ Hospital-Owned:               <ul style="list-style-type: none"> <li>▪ 1 x Biomerieux Vitek MS</li> <li>▪ 1 x Biomerieux Vitek XL</li> <li>▪ 1 x Biofire Filmarray Torch</li> <li>▪ 1 x BDMax (for COVID)</li> <li>▪ 1 x Cepheid GeneXpert GX4</li> <li>▪ 1 x Cepheid GeneXpert GX16</li> <li>▪ 1 x Cepheid GeneXpert</li> <li>▪ 4 x Biorad CFX96</li> <li>▪ 3 x Panamax 48</li> <li>▪ 2 x Thermo Fisher KingFisher Flex</li> <li>▪ 1 x Qiagen QIAcube</li> </ul> </li> <li>○ Under reagent tie-up:               <ul style="list-style-type: none"> <li>▪ 3 x OCD Ortho Vision Max</li> <li>▪ 1 x Terumo Spectra Optia + Trima</li> <li>▪ 1 x Fresenius Kabi Com.Tec</li> <li>▪ 2 x OCD Vitros 3600</li> <li>▪ 2 x OCD Vitros 4600</li> <li>▪ 1 x OCD Vitros 5600</li> <li>▪ 1 x OCD Vitros XT 7600</li> <li>▪ 1 x Sebia Minicap Flex</li> <li>▪ 1 x Sebia Capillarys Octa 3</li> <li>▪ 1 x Opti Medical Opti CCA-TS2</li> <li>▪ 2 x Standard Diagnostics Urometer 720</li> <li>▪ 3 x 77 Elektronika Urised 3Pro + Labumat2</li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

**University of the Philippines Manila**  
**The Health Sciences Center**  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>▪ 2 x Stago STA Compact Max 3</li> <li>▪ 1 x Abbott Architect i2000SR</li> <li>▪ 1 x Biomerieux Vidas</li> <li>▪ 2 x Biomerieux Vitek 2 Compact</li> <li>▪ 1 x BDMax (for TB)</li> <li>▪ 1 x Bactec Fx</li> <li>▪ 2 x Bactec MGIT 960</li> <li>▪ 1 x Thermo Scientific Sensitire</li> <li>▪ 5 x Beckman Coulter DxH 900</li> <li>▪ 2 x Stago STA Compact Max 2</li> <li>▪ 3 x Biosite GEM3500</li> <li>▪ 1 x Sysmex XN-1000</li> <li>▪ 1 x Biomerieux BAC T Alert</li> <li>▪ 1 x Thermo Fisher Phadia 100/200</li> <li>▪ 1 x BioTek Elisa Microreader ELX800</li> <li>▪ 1 x BD FACSVia</li> <li>▪ 1 x Beckman Coulter Access 2</li> <li>▪ 1 x Lifotronic eCL800</li> <li>▪ 1 x Optilite Binding Site</li> <li>▪ 1 x Sysmex CS-2100i</li> <li>▪ 1 x Roche COBAS E411</li> <li>▪ 1 x Roche COBAS Integra 400 Plus</li> <li>▪ 1 x Medica EasyLyte</li> <li>• Support for transfer of patient and results database from current laboratory information system/s to new system               <ul style="list-style-type: none"> <li>○ Current systems are as follows:                   <ul style="list-style-type: none"> <li>▪ Marsman LMS 3.1 (Central Lab)</li> </ul> </li> </ul> </li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

**University of the Philippines Manila**  
**The Health Sciences Center**  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
 ABC: **PHP11,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
			<ul style="list-style-type: none"> <li>▪ Sysmex HCLab v1.28 (MRL system)</li> <li>▪ TripodLink LIS (ABG unit/s)</li> <li>• Document stating standard connection fee/s to be expected for any new machinery</li> <li>• Detailed limit/s of adjusting any APIs if the hospital is to implement any new/different systems that will directly link to the HIS               <ul style="list-style-type: none"> <li>○ Ex. Data can be forwarded to HIS in a specific format, but HIS must take charge of transmission of data to any other module</li> <li>○ Ex2. Data can be forwarded directly to any available EMR / Billing / etc module using a standard HL7 or FHIR-compatible language</li> <li>○ List of compatible equipment and papers</li> </ul> </li> </ul>			
<b>Total Approved Budget for the Contract:</b>				<b>Php11,000,000.00</b>		

**TERMS AND CONDITIONS:**

1. Delivery Period: within Ninety (90) working days upon receipt of Purchase Order (PO) working days upon receipt of Purchase Order (PO) / Notice of Award (NOA) to be delivered at the IT Office.
2. Three (3) years warranty on service for the LIS & one (1) year on parts (if hardware is included) after commissioning and acceptance.
3. On-site training at PGH (approx.. 1 week) for up to 200++ employees (lab and IT staff)

Approved by:

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: PUR22-06-0501  
End-User: INFORMATION TECHNOLOGY OFFICE  
Project: SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
Contract: SINGLE BID

Opening of Bids: **09 December 2022**  
ABC: **PHP11,000,000.00**

- On-site training by a certified and trained application specialist for:
  - a. Basic use, for all end users; at least half a day
  - b. Supervisory/ report generation functions and basic maintenance/troubleshooting; at least half a day
  - c. Basic maintenance & troubleshooting for non-coding staff; at least 1 day
  - d. PGH IT staff and recommended lab personnel, for more advanced maintenance and troubleshooting; at least 5 days, or as identified by supplier

Follow up training sessions as needed, for software updates, new employees, and similar.

- 4. 24/7 technical support with response and resolution time depending on "Severity Level" as defined above by end user

5. Other Documentary Requirements:

- a. Document stating standard connection fee/s to be expected for any new machinery, and recurring fees for existing machinery
- b. Document describing protocols and limits of adjusting the system if the hospital is to implement any changes to the HIS ecosystem.
- c. Certificate of Proof of Good Service (Signed endorsement from any existing installation/s that the provider gives quick/rapid response to any concerns or issues raised)
- d. Required Licenses or Certification (if applicable)
- e. Certificate of Distributorship (if applicable)

6. Requirements if declared as Lowest/Single Calculated Bid (as applicable):

- a. Presentation of Technical data sheet and/or presentation of a prototype equipment within seven (7) calendar days after receipt of Notice of Lowest/Single Calculated Bid

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
Chairperson

---

(Signature over Printed Name of President / Gen. Manager)

---

(Name & Address of Company)

Proj. Ref. No.: PUR22-06-0501  
End-User: INFORMATION TECHNOLOGY OFFICE  
Project: SUPPLY, DELIVERY, INSTALLATION, TESTING AND  
COMMISSIONING OF A LABORATORY  
INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE  
GENERAL HOSPITAL (PGH)  
Contract: SINGLE BID

Opening of Bids: **09 December 2022**  
ABC: **PHP11,000,000.00**

7. Other Requirement/s if awarded the contract:

- a. Required Manuals (as applicable)
- b. Post Qualification and/or Acceptance Parameters (may be limited to visual and functional inspection and testing)
- c. Project Schedule and Implementation work plan (described below)

### **Project Schedule and Implementation Work Plan**

A project schedule (relative to the Notice to Proceed) shall be furnished by the Proposer showing the personnel engaged in each task, the deliverables, and the significant completion dates (days after contract start, not specific dates) for the major tasks of the project. Appropriate review periods should be indicated. An overview of the project schedule should be illustrated in a Gantt chart.

Include any anticipated risks, negative or positive, and proposed response strategies. Include the Proposer's perception of the degree of PGH participation required to complete the tasks in the Scope of Work, and when each task involving PGH participants should be completed.

The Implementation Work plan should be a task-based elaboration that is fully represented as the Scope of Services and Schedule, to include, at a minimum:

1. Project management coordination, resource planning, assignment of roles and responsibilities, etc.
  - a. Assistance with change management,
  - b. Schedule deviations and cost (due to downtime or transition) should be clearly communicated to PGH.
2. Interface planning and development for instruments and systems including connection to existing hospital information systems such as RADISH, OpenMRS and OpenERP.
3. Data migration and connection activities.

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
Chairperson

---

(Signature over Printed Name of President / Gen. Manager)

---

(Name & Address of Company)



Proj. Ref. No.: PUR22-06-0501  
End-User: INFORMATION TECHNOLOGY OFFICE  
Project: SUPPLY, DELIVERY, INSTALLATION, TESTING AND  
COMMISSIONING OF A LABORATORY  
INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE  
GENERAL HOSPITAL (PGH)  
Contract: SINGLE BID

Opening of Bids: **09 December 2022**  
ABC: **PHP11,000,000.00**

4. System configuration and stakeholder reviews.
5. User and System Acceptance Test planning, including Final System Acceptance signoff followed by a ninety 90-day warranty period.
6. Report development
7. Planning for parallel operation during the warranty period, if applicable.
8. Training of Laboratory personnel
9. Go-Live assistance
10. Support during warranty period

Please note: In preparation of the project work plan, schedule, and resource commitments, a practical approach and realistic projection of timing is of primary importance. In addition, clearly identify where each work activity will take place (e.g., on/off-site, via remote connection, etc.)

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
Chairperson

---

(Signature over Printed Name of President / Gen. Manager)

---

(Name & Address of Company)

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
ABC: **PHP11,000,000.00**

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

---

*(Signature over Printed Name of President / Gen. Manager)*

---

*(Name & Address of Company)*

**University of the Philippines Manila**  
*The Health Sciences Center*  
**BIDS & AWARDS COMMITTEE 1 (BAC 1)**

**Proj. Ref. No.:** PUR22-06-0501  
**End-User:** INFORMATION TECHNOLOGY OFFICE  
**Project:** SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF A LABORATORY INFORMATION SYSTEM (LIS) FOR THE PHILIPPINE GENERAL HOSPITAL (PGH)  
**Contract:** SINGLE BID

Opening of Bids: **09 December 2022**  
ABC: **PHP11,000,000.00**

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD, PhD**  
*Chairperson*

---

*(Signature over Printed Name of President / Gen. Manager)*

---

*(Name & Address of Company)*