

Republic of the Philippines
University of the Philippines Mindanao
Mintal, Tugbok District, Davao City

Date: 9 November 2021

BID BULLETIN NO. 01

**LABORATORY EQUIPMENT AND SUPPLIES FOR THE
GENOMIC BIO-SURVEILLANCE RESEARCH OF THE
PHILIPPINE GENOME CENTER (PGC) MINDANAO**

PBM 2021-024

This Bid Bulletin is issued for the following:

- 1. Revised Technical Specifications.** Please see attached file.
- 2. Revised Price Schedules**
 - a) For Goods purchased from abroad
 - b) For Goods purchased from within the Philippines.

For information and guidance of all concerned.



Prof. VLADIMER B. KOBAYASHI
BAC Chair
Bids and Awards Committee for Goods

Received by the Bidder:

Signature over Printed Name of Representative/Date

Technical Specifications

Item	Specification	Statement of Compliance
	<p>General terms for all lots</p> <p>For kits, reagents, and consumables:</p> <ol style="list-style-type: none"> The kits, reagents, and consumables must come from a reputable brand in the market with manufacturer's support through distributors in the country – applications specialist and sales representative. <p>For Equipment:</p> <ol style="list-style-type: none"> The equipment must come from a reputable brand in the market with manufacturer's support through a distributor in the country – engineers, applications specialists and sales representatives; and Certificate that the equipment is brand new, unused and not a discontinued model. Required certificates for Items 1 and 2 will be submitted during post qualification. 	<p><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></p>

Item	Specification	Statement of Compliance
LOT 1: Biosafety Cabinet, Microcentrifuge and small equipment		
Delivery period: Sixty (60) calendar days Delivery and Installation: CSM, UP Mindanao Mintal, Tugbok District, Davao City		
	<ol style="list-style-type: none"> Biosafety cabinet (Class II, Type A2) and accessories (1 unit) <ul style="list-style-type: none"> Exhaust air filter & efficiency: ULPA filter with 99.9995% 	

	efficiency	
	<ul style="list-style-type: none"> • Air quality: ISO 14644-1, Class 3, Worldwide 	
	<ul style="list-style-type: none"> • Nominal inflow & downflow velocity: 0.53m/sec & 0.35m/sec 	
	<ul style="list-style-type: none"> • Working area: 1.5m - 2.0m x 1.5m - 2.0m 	
	<ul style="list-style-type: none"> • Certifications/compliance: EN12469; Certified by TUV Nord; NSF49-USA; SFDA YY0659 - China 	
	<ul style="list-style-type: none"> • INCLUSIONS: 	
	a. Mobile floor stand	
	b. UV lamp	
	c. Electrical outlets	
	d. UPS-AVR	
	e. 3 years warranty	
	f. one (1) lab stool	
	g. PCR Hood with accessories (1 unit)	
	- Filter: HEPA filter efficiency 99.999% at 0.3 um	
	- Sterilization: UV sterilization system	
	- UV lamp: 20W *2; emission of 253.7 nm, with UV timer	
	- Material: Cold-rolled steel with antibacterial powder coating	
	- Illumination lamp: 40W*1 >= 1000 lux	
	- Accessories: UV lamp, fluorescent lamp, base stand, stainless steel shelf with IV Bar and universal caster with leveling feet; Waterproof socket*2	
	- 2 years warranty with preventive maintenance	
	- one (1) lab stool	
	2. Minicentrifuge (2 units)	
	<ul style="list-style-type: none"> • Max speed: 7000rpm 	
	<ul style="list-style-type: none"> • Max RCF = 2650 x g; 	
	<ul style="list-style-type: none"> • Capacity: 0.2/0.5/1.5/2.0mlx8; 8x4x0.2ml (PCR strip tube); 	
	<ul style="list-style-type: none"> • Rotor : interchangeable rotors 1. 8*2.0/1.5/0.5/0.2ml rotor (0.2ml and 2. 0.5ml adaptor); 8 x 4 x 0.2ml PCR strip tube; 	
	<ul style="list-style-type: none"> • Power : AC 110V-256V; 	
	<ul style="list-style-type: none"> • Consumption: 20W; 	
	<ul style="list-style-type: none"> • Noise : 45 dBA; 	
	<ul style="list-style-type: none"> • Warranty (at least 1 year) 	
	3. Plate spinner (3 units)	
	<ul style="list-style-type: none"> • Capacity: 2 plates 	
	<ul style="list-style-type: none"> • Speed: 2,500 rpm 	
	<ul style="list-style-type: none"> • Rotor: fixed- angle vertically 	
	<ul style="list-style-type: none"> • Electrical: 120 V 	
	<ul style="list-style-type: none"> • 1 year warranty on parts and services 	
	4. Vortex mixer (3 units)	
	<ul style="list-style-type: none"> • Mixing motion: orbital 	
	<ul style="list-style-type: none"> • Motor type: shaded pole motor 	
	<ul style="list-style-type: none"> • Speed range: 0-2500 rpm 	
	<ul style="list-style-type: none"> • Run type; touch operation / continuous 	
	<ul style="list-style-type: none"> • warranty: 1 year on parts and supplies 	

5. Portable HEPA filter system with accessories (4 units)		
•	Air Purifier 20-30 sq.m.,H11 HEPA Filter;	
•	UV light 256 Nm;	
•	CADR rating: 400m3/h;	
•	4-stages filtration;	
•	Air exchange per hour: 500 cfm Airflow;	
•	35 dBA silent type;	
•	HEPA Lifespan: 6 mos;	
•	Energy consumption: 0.5kwh/24hr;	
•	Weight: 4kgs	
•	INCLUSION:	
	a. Replacement HEPA filters (40 units)	
	b. 1 year warranty	
LOT 2: Freezers, liquid-handling systems and standard microcentrifuge		
Delivery period: Sixty (60) calendar days		
Delivery and Installation: CSM, UP Mindanao Mintal, Tugbok District, Davao City		
1. Ultra Low Temp Freezer with accessories- -80C (ULTF) (1 unit)		
•	Temperature range: Should reach -80 °C. Can go between -40 °C to -86 °C	
•	Capacity: At least 800 L	
•	With CO2 back up	
•	Data logs	
•	Safety lock/ safe alarms	
•	Manual defrost	
•	Includes 5 sliding drawer racks and 320 pcs cryoboxes	
•	AVR-UPS	
•	3 years warranty on parts and services	
2. -20C Freezer with accessories (1 unit)		
•	Temperature range: Should reach -20°C; can go between -15 °C to -25 °C	
•	Capacity: At least 650 L	
•	Manual defrost	
•	Data logs	
•	Safety logs/ safe alarms	
•	Includes 6 sliding drawer racks	
•	2 x 2ml cryotubes , 500 pcs /pack	
•	AVR-UPS	
	• warranty: 1 year on parts and services	
3. Multichannel pipettor P10 (4 units)		
•	8-channel	
•	Compatible with common pipet tips brand	
•	Autoclavable	
•	With stand	
•	Calibration certificate	
•	at least 1 year warranty on parts & services	

	4. Multichannel pipettor P100/200 (3 units)	
	<ul style="list-style-type: none"> • 8-channel 	
	<ul style="list-style-type: none"> • Compatible with common pipet tips brand 	
	<ul style="list-style-type: none"> • autoclavable 	
	<ul style="list-style-type: none"> • With stand 	
	<ul style="list-style-type: none"> • Calibration certificate 	
	<ul style="list-style-type: none"> • at least 1 year warranty on parts & services 	
	5. Electronic pipettor (15-300ul) with accessories (3 units)	
	<ul style="list-style-type: none"> • Single channel with multiple dispensing capabilities 	
	<ul style="list-style-type: none"> • Rechargeable 	
	<ul style="list-style-type: none"> • With stand 	
	<ul style="list-style-type: none"> • Calibration certificate 	
	<ul style="list-style-type: none"> • at least 1 year warranty on parts and services 	
	6. Single channel micropipettor (P10, P20, P100/200, P1000) (5 Sets)	
	<ul style="list-style-type: none"> • Compatible with common pipet tips brand 	
	<ul style="list-style-type: none"> • Autoclavable 	
	<ul style="list-style-type: none"> • With stand 	
	<ul style="list-style-type: none"> • Calibration certificate 	
	<ul style="list-style-type: none"> • 1 year warranty 	
	7. Standard Microcentrifuge (1 unit)	
	<ul style="list-style-type: none"> • Capacity: 24- 36 x 1.5/2.0 mL 	
	<ul style="list-style-type: none"> • RPM: 14,800- 15,000 rpm (max for fixed angle) 	
	<ul style="list-style-type: none"> • With biocontainment lid for the rotor 	
	<ul style="list-style-type: none"> • autoclavable rotor 	
	<ul style="list-style-type: none"> • warranty: 1 year warranty on parts and services & preventive maintenance 	
	8. Autoclave with accessories (1 unit)	
	<ul style="list-style-type: none"> • Capacity: At least 50 L 	
	<ul style="list-style-type: none"> • Temperature range: Should reach 121 °C. Can go between 40 °C to 140 °C 	
	<ul style="list-style-type: none"> • Safety devices: Interlock system, Electro mechanical lock system, Double check system of lid close, Over pressure detector 	
	<ul style="list-style-type: none"> • Steel baskets*2; heat resistant gloves * 1 pair 	
	<ul style="list-style-type: none"> • AVR-UPS 	
	<ul style="list-style-type: none"> • 3 yrs warranty on parts & services 	
LOT 3: Refrigerator (4C) and accessories		
Delivery period: Sixty (60) calendar days		
Delivery and Installation: CSM, UP Mindanao Mintal, Tugbok District, Davao City		
	1. Refrigerator (4C) (1 unit)	
	<ul style="list-style-type: none"> • Temperature range: should reach 4°C; can go between 2 °C to 8°C 	

	<ul style="list-style-type: none"> ● Capacity: At least 300 L 	
	<ul style="list-style-type: none"> ● Laboratory grade 	
	<ul style="list-style-type: none"> ● Manual defrost 	
	<ul style="list-style-type: none"> ● 1 year warranty on parts and services 	
<p>LOT 4: High Performing Bioinformatics Computer with complete accessories (1 SET)</p> <p>Delivery period: Sixty (60) calendar days Delivery and Installation: CSM, UP Mindanao Mintal, Tugbok District, Davao City</p>		
	<p>1. High-performance Desktop Workstation with accessories (1 set)</p>	
	<ul style="list-style-type: none"> ● Intel i7 Core, 4.0GHz 	
	<ul style="list-style-type: none"> ● At least 64 GB DDR and expandable 	
	<ul style="list-style-type: none"> ● At least 1 TB SATA HDD 	
	<ul style="list-style-type: none"> ● Windows 10 operating system with license; Ubuntu Linux (optional as dual boot) 	
	<ul style="list-style-type: none"> ● With USB 3.0 ports 	
	<ul style="list-style-type: none"> ● Gigabit LAN, WLAN 	
	<ul style="list-style-type: none"> ● Bluetooth 	
	<ul style="list-style-type: none"> ● With HDMI and VGA ports and cables 	
	<ul style="list-style-type: none"> ● Graphics card CUDA cores: at least 3584 	
	<ul style="list-style-type: none"> ● Graphics card Boost clock: at least 1582 MHz 	
	<ul style="list-style-type: none"> ● Graphics card Memory speed: at least 11 Gbps; 	
	<ul style="list-style-type: none"> ● Graphics card Standard memory config: at least 11 GB GDDR5X 	
	<ul style="list-style-type: none"> ● Graphics card Memory interface width: at least 352-bit; 	
	<ul style="list-style-type: none"> ● Graphics card Memory bandwidth: at least 484 GB/sec; 	
	<ul style="list-style-type: none"> ● Graphics card Supported technologies: CUDA, 3D Vision, PhysX, NVIDIA G-SYNC™, Ansel 	
	<ul style="list-style-type: none"> ● Ultrawide monitor (23-27 inches) 	
	<ul style="list-style-type: none"> ● Wired keyboard and mouse; mousepad, headset 	
	<ul style="list-style-type: none"> ● Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector 	
	<ul style="list-style-type: none"> ● 1 unit of Microsoft Office, with multi-user (for 5 individuals) license 	
	<ul style="list-style-type: none"> ● Cable: Factory-terminated Cat6 patch cords that support 1G (at least 25 meters) 	
	<ul style="list-style-type: none"> ● 1 unit Workstation Desk (W x D x H: 700 – 750 mm x 350 – 400 mm x 650 – 700 mm) with Office Chair (with armrest and backrest) 	
	<ul style="list-style-type: none"> ● 1-year warranty on all parts and services 	
	<ul style="list-style-type: none"> ● 1-year Annual preventive maintenance within the duration of the warranty 	
	<ul style="list-style-type: none"> ● Delivery and installation 	
	<ul style="list-style-type: none"> ● External Drive: at least 20TB 	
<p>LOT 5: Plastic Consumables</p> <p>Delivery period: Sixty (60) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City</p>		
	<p>1. 0.2 ml 96-well PCR Plates (20 BOXES)</p>	

	<ul style="list-style-type: none"> • Optical 	
	<ul style="list-style-type: none"> • White 	
	<ul style="list-style-type: none"> • Hard-shell 	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Skirted 	
	<ul style="list-style-type: none"> • Compatible with ABI 96 Real-time PCR System 	
	<ul style="list-style-type: none"> • Box of 25 	
	2. Non-optical adhesive film (208 PACKS)	
	<ul style="list-style-type: none"> • Must be compatible with 0.1mL and 0.2mL 96-well plates for Veriti Pro PCR Machine 	
	<ul style="list-style-type: none"> • Pack of 100 	
	3. 0.2 mL 8-strip tube with 8-strip cap (10 PACKS)	
	<ul style="list-style-type: none"> • Must fit any 96-well reaction blocks 	
	<ul style="list-style-type: none"> • Ultraclear flat caps for real-time PCR 	
	<ul style="list-style-type: none"> • Must have cap strips can be used with tubes or plates 	
	<ul style="list-style-type: none"> • Negative for DNase, RNase, and human DNA 	
	4. Filtered pipette tips (10uL), rack of 10x96 tips (300 BOXES)	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 	
	<ul style="list-style-type: none"> • Filtered 	
	<ul style="list-style-type: none"> • Sterile 	
	5. Filtered pipette tips (20uL), rack of 10x96 tips (450 BOXES)	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 	
	<ul style="list-style-type: none"> • Filtered 	
	<ul style="list-style-type: none"> • Sterile 	
	6. Filtered pipette tips (200uL), rack of 10x96 tips (800 BOXES)	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 	
	<ul style="list-style-type: none"> • Filtered 	
	<ul style="list-style-type: none"> • Sterile 	
	7. Filtered pipette tips (1000uL), rack of 10x96 tips (300 BOXES)	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Must be compatible with any brand of pipettes 	
	<ul style="list-style-type: none"> • Filtered 	
	<ul style="list-style-type: none"> • Sterile 	
	8. 1.5 mL Lo-bind (low retention) tubes (50 PACKS)	
	<ul style="list-style-type: none"> • DNase/RNase free 	
	<ul style="list-style-type: none"> • Lo-bind material 	
	<ul style="list-style-type: none"> • Free of surface coating 	
	<ul style="list-style-type: none"> • Colorless 	
	<ul style="list-style-type: none"> • Pack of 250 	
	9. Reagent reservoir (45 PACKS)	
	<ul style="list-style-type: none"> • 25 ml 	
	<ul style="list-style-type: none"> • Polystyrene 	
	<ul style="list-style-type: none"> • Non-sterile 	

	<ul style="list-style-type: none"> • Individually packed • Pack of 50 	
<p>LOT 6: PPE Consumables Delivery period: Sixty (60) calendar days Delivery: CSM, UP Mindanao Mintal, Tugbok District, Davao City</p>		
	<p>1. Gloves, Extra Small (150 BOXES)</p> <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 	
	<p>2. Gloves, Small (30 BOXES)</p> <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 	
	<p>3. Gloves, Medium (30 BOXES)</p> <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 	
	<p>4. Face mask (500 BOXES)</p> <ul style="list-style-type: none"> • Disposable • 3 ply • Surgical mask • Medical grade • FDA Approved brand • Box of 50 	
	<p>5. N95 Respirator (50 BOXES)</p> <ul style="list-style-type: none"> • Disposable • White • Non-Woven Synthetic Polyester • Medical grade • FDA Approved brand • Box of 160 	
	<p>6. Half-mask respirator filter (20 BOXES)</p> <ul style="list-style-type: none"> • Offers reliable, convenient respiratory protection • Particulate Filters or Cartridges (such as organic vapor/acid gas cartridges) or dual airline system Available in 3 sizes (small, 	

	medium, large) to comfortably fit many faces	
	<ul style="list-style-type: none"> With dual Airline Systems against a variety of gases, vapors and particulate hazards according to NIOSH approvals Head harness assembly and spare parts available 	
	<ul style="list-style-type: none"> Box of 10 	
	7. Coverall (2000 PCS)	
	<ul style="list-style-type: none"> Disposable 	
	<ul style="list-style-type: none"> Two-way zipper 	
	<ul style="list-style-type: none"> 2 Panel Hood, Elastic Cuff, Elastic Waist 	
	<ul style="list-style-type: none"> Material: Laminate 	
	<ul style="list-style-type: none"> Single pack 	
	<ul style="list-style-type: none"> Must include XS, S, and M sizes. 	
	<ul style="list-style-type: none"> Medical grade 	
	<ul style="list-style-type: none"> FDA approved brand 	
	8. Head cover (2406 PCS)	
	<ul style="list-style-type: none"> Disposable cap 	
	<ul style="list-style-type: none"> Surgical 	
	<ul style="list-style-type: none"> non-woven 	
	<ul style="list-style-type: none"> standard size/one size fits all 	
	9. Shoe cover (2406 PCS)	
	<ul style="list-style-type: none"> Disposable 	
	<ul style="list-style-type: none"> Surgical 	
	<ul style="list-style-type: none"> non-woven 	
	<ul style="list-style-type: none"> One size fits all 	
	10. Disposable lab gown (2400 PCS)	
	<ul style="list-style-type: none"> Non-woven fabric 	
	<ul style="list-style-type: none"> With white or garterized cuff 	
	<ul style="list-style-type: none"> Surgical 	
	<ul style="list-style-type: none"> Disposable 	
	<ul style="list-style-type: none"> One-size fits all 	
	11. Duct tape (50 PCS)	
	<ul style="list-style-type: none"> 50m x 50mm 	
	<ul style="list-style-type: none"> silver tape 	
Lot 7: Specialized consumables and reagents		
	1. Nuclease free water (5 BOTTLES)	
	<ul style="list-style-type: none"> Molecular Biology Grade 	
	<ul style="list-style-type: none"> DNase/RNase free 	
	<ul style="list-style-type: none"> not DEPC-Treated 	
	<ul style="list-style-type: none"> Sterile 	
	<ul style="list-style-type: none"> Volume: 1 Liter 	
	2. 0.2mL 96-well PCR Plates (150 BOXES)	
	<ul style="list-style-type: none"> non-optical 	
	<ul style="list-style-type: none"> Half or non-skirted 	
	<ul style="list-style-type: none"> Clear 	
	<ul style="list-style-type: none"> DNase/RNase free 	

	<ul style="list-style-type: none"> • Must be compatible with Veriti Pro PCR Machine • Box of 50 	
	3. 0.1mL 96-well PCR Plates (75 BOXES)	
	<ul style="list-style-type: none"> • non-optical • Half or non-skirted • Clear • DNase/RNase free <ul style="list-style-type: none"> • Must be compatible with Veriti Pro PCR Machine • Box of 50 	
	4. 0.2 mL PCR tubes with cap (10 PACKS)	
	<ul style="list-style-type: none"> • Flat caps frosted for easy labeling • Double-locking caps for a stronger seal during cycling and storage • Free of DNase, RNase, and human DNA 	
	5. 2.0 mL screw cap, (50 PACKS)	
	<ul style="list-style-type: none"> • DNase/RNase free • sterile • self-standing • polypropylene vials with O-ring clear caps • autoclavable • with graduations • Pack of 500 	

Price Schedule for Goods Offered from Abroad
[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportati on and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	LOT 1: Biosafety Cabinet, Microcentrifuge and small equipment								
1	Biosafety cabinet (Class II, Type A2) and accessories <ul style="list-style-type: none"> • Exhaust air filter & efficiency: ULPA filter with 99.9995% efficiency • Air quality: ISO 14644-1, Class 3, Worldwide • Nominal inflow & downflow velocity: 0.53m/sec & 0.35m/sec • Working area: 1.5m - 2.0m x 1.5m - 2.0m • Certifications/compliance: EN12469; Certified by TUV Nord; NSF49-USA; SFDA YY0659 - China • INCLUSIONS: Mobile floor stand UV lamp Electrical outlets UPS-AVR 3 years warranty one (1) lab stool 		1						

	<p>PCR Hood with accessories - 1 unit Filter: HEPA filter efficiency 99.999% at 0.3 um Sterilization: UV sterilization system UV lamp: 20W *2; emission of 253.7 nm, with UV timer Material: Cold-rolled steel with antibacterial powder coating Illumination lamp: 40W*1 >= 1000 lux Accessories: UV lamp, fluorescent lamp, base stand, stainless steel shelf with IV Bar and universal caster with leveling feet; Waterproof socket*2 2 years warranty with preventive maintenance UPS one (1) lab stool</p>								
2	<p>Minicentrifuge</p> <ul style="list-style-type: none"> ● max speed: 7000rpm ● max RCF = 2650 x g; ● capacity: 0.2/0.5/1.5/2.0mlx8;8x4x0.2ml (PCR strip tube); ● Rotor : interchangeable rotors 1. 8*2.0/1.5/0.5/0.2ml rotor(0.2ml and 2. 0.5ml adaptor); 8x4x0.2ml PCR strip tube; ● Power : AC 110V-256V; ● Consumption: 20W; ● Noise : 45dBA; ● Warranty (at least 1 year) 		2						
3	<p>Plate spinner</p> <ul style="list-style-type: none"> ● Capacity: 2 plates ● Speed: 2,500 rpm ● Rotor: fixed- angle vertically ● Electrical: 120 V <ul style="list-style-type: none"> ● 1 year warranty on parts and services 		3						
4	<p>Vortex mixer</p> <ul style="list-style-type: none"> ● Mixing motion: orbital ● Motor type: shaded pole motor ● Speed range: 0-2500 rpm ● Run type; touch operation / continuous ● 1 year warranty on parts and supplies 		3						

5	<p>Portable HEPA filter system with accessories</p> <ul style="list-style-type: none"> • Air Purifier 20-30 sq.m.,H11 HEPA Filter; • UV light 256Nm; • CADR rating: 400m3/h; • 4-stages filtration; • Air exchange per hour: 500 cfm Airflow; • 35dBA silent type; • HEPA Lifespan: 6 mos; • Energy consumption: 0.5kwh/24hr; • Weight: 4kgs <p>INCLUSION:</p> <ul style="list-style-type: none"> • Replacement HEPA filters (40 units) • at least 1 year warranty 		4						
	<p>LOT 2: Freezers, liquid-handling systems and standard microcentrifuge</p>								
1	<p>Ultra Low Temp Freezer with accessories- -80C (ULTF)</p> <ul style="list-style-type: none"> • Temperature range: Should reach -80 C. Can go between -40 C to -86 C • Capacity: At least 800 L • With CO2 back up • Data logs • Safety lock/ safe alarms • Manual defrost • Includes 5 sliding drawer racks and 320 pcs cryoboxes • AVR-UPS • 3 years warranty on parts and services 		1						
2	<p>-20C Freezer with accessories</p> <ul style="list-style-type: none"> • Temperature range: Should reach -20 C; can go between -15 C to -25 C • Capacity: At least 650 L • Manual defrost • Data logs • Safety logs/ safe alarms • Includes 6 sliding drawer racks • 2 x 2ml cryotubes , 500 pcs /pack • AVR-UPS • 1 year warranty on parts and services 		1						

3	Multichannel pipettor P10 <ul style="list-style-type: none"> • 8-channel • Compatible with common pipet tips brand • Autoclavable <ul style="list-style-type: none"> • With stand • Calibration certificate • at least 1 year warranty on parts & services 		4						
4	Multichannel pipettor P100/200 <ul style="list-style-type: none"> • 8-channel • Compatible with common pipet tips brand • autoclavable • With stand • Calibration certificate • at least 1 year warranty on parts and services 		3						
5	Electronic pipettor (15-300ul) with accessories <ul style="list-style-type: none"> • Single channel with multiple dispensing capabilities • Rechargeable • With stand • Calibration certificate • at least 1 year Warranty 		3						
6	Single channel micropipettor sets of 4/5(P10, P20, P100/200, P1000) <ul style="list-style-type: none"> • Compatible with common pipet tips brand • Autoclavable • With stand • with calibration certificate • At least 1 year warranty 		5						
7	Standard Microcentrifuge <ul style="list-style-type: none"> • Capacity: 24- 36 x 1.5/2.0 mL • RPM: 14,800- 15,000 rpm (max for fixed angle) • With biocontainment lid for the rotor • autoclavable rotor • warranty: 1 year warranty on parts and services & preventive maintenance 		1						
8	Autoclave with accessories <ul style="list-style-type: none"> • Capacity: At least 50 L • Temperature range: Should reach 121 C. Can go between 40 C to 140 C 		1						

	<ul style="list-style-type: none"> • Safety devices: Interlock system, Electro mechanical lock system, Double check system of lid close, Over pressure detector • Steel baskets*2; heat resistant gloves * 1pair • AVR-UPS • 3 yrs warranty on parts & services 								
	LOT 3: Refrigerator (4C) and accessories								
1	Refrigerator (4C) <ul style="list-style-type: none"> • Temperature range: should reach 4 C; can go between 2 C to 8 C • Capacity: At least 300 L • Laboratory grade • Manual defrost • 1 year on parts and services 		1						
	LOT 4: High Performing Bioinformatics Computer with complete accessories								
1	High-performance Desktop Workstation (1 set) <ul style="list-style-type: none"> ■ Intel i7 Core, 4.0GHz ■ At least 64 GB DDR and expandable ■ At least 1 TB SATA HDD ■ Windows 10 operating system with license; Ubuntu Linux (optional as dual boot) ■ USB 3.0 ports ■ Gigabit LAN WLAN ○ Bluetooth ○ With HDMI and VGA ports and cables ○ Graphics card CUDA cores: at least 3584; ○ Graphics card Boost clock: at least 1582 MHz; ○ Graphics card Memory speed: at least 11 Gbps; ○ Graphics card Standard memory config: at least 11 GB GDDR5X; ○ Graphics card Memory interface width: at least 352-bit; ○ Graphics card Memory bandwidth: at least 484 GB/sec; ○ Graphics card Supported technologies: CUDA, 3D Vision, PhysX, NVIDIA G-SYNC™, Ansel; 		1						

	<ul style="list-style-type: none"> ○ Ultrawide monitor (23-27 inches); ○ Wired keyboard and mouse; mousepad, headset; ○ Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector ○ 1 unit of Microsoft Office, with multi-user (for 5 individuals) license ○ Cable: Factory-terminated Cat6 patch cords that support 1G (at least 25 meters) ○ 1 unit Workstation Desk (W x D x H: 700 – 750 mm x 350 – 400 mm x 650 – 700 mm) with Office Chair (with armrests and backrest) ○ 1-year warranty on all parts and services for each unit, ○ 1-year Annual preventive maintenance within the duration of warranty ○ Delivery and installation ● External Drive: at least 20TB 								
	LOT 5: Plastic Consumables								
1	0.2 ml 96-well PCR Plates <ul style="list-style-type: none"> ● Optical ● White ● Hard-shell ● DNase/RNase free ● Skirted ● Compatible with ABI 96 Real-time PCR System ● Box of 25 		20						
2	Non-optical adhesive film <ul style="list-style-type: none"> ● Must be compatible with 0.1mL and 0.2mL 96-well plates for Veriti Pro PCR Machine ● Pack of 100 		208						
3	3. 0.2 mL 8-strip tube with 8-strip cap <ul style="list-style-type: none"> ● Must fit any 96-well reaction blocks ● Ultraclear flat caps for real-time PCR ● Must have cap strips can be used with tubes or plates ● Negative for DNase, RNase, and human DNA 		10						

4	Filtered pipette tips (10uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		300						
5	Filtered pipette tips (20uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		450						
6	Filtered pipette tips (200uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		800						
7	Filtered pipette tips (1000uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		300						
8	1.5 mL Lo-bind (low retention) tubes <ul style="list-style-type: none"> • DNase/RNase free • Lo-bind material • Free of surface coating • Colorless • Pack of 250 		50						
9	Reagent reservoir <ul style="list-style-type: none"> • 25 ml • Polystyrene • Non-sterile • Individually packed • Pack of 50 		45						
LOT 6: PPE Consumables									

1	Gloves, xs <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		150						
2	Gloves, s <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		30						
3	Gloves, m <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		30						
4	Earloop Face mask <ul style="list-style-type: none"> • Disposable • 3 ply • Surgical mask • Medical grade • FDA Approved brand • Box of 50 		500						
5	N95 Respirator <ul style="list-style-type: none"> • Disposable • White • Non-Woven Synthetic Polyester • Medical grade • FDA Approved brand • Box of 160 		50						
6	Half-mask respirator filter <ul style="list-style-type: none"> • Offers reliable, convenient respiratory protection • Particulate Filters or Cartridges (such as organic vapor/acid gas cartridges) or dual airline system Available in 3 sizes (small, 		20						

	<ul style="list-style-type: none"> medium, large) to comfortably fit many faces With dual Airline Systems against a variety of gases, vapors and particulate hazards according to NIOSH approvals Head harness assembly and spare parts available Box of 10 								
7	Coverall <ul style="list-style-type: none"> Disposable Two-way zipper 2 Panel Hood, Elastic Cuff, Elastic Waist Material: Laminate Single pack Must include XS, S, and M sizes. Medical grade FDA approved brand 		2000						
8	Head cover <ul style="list-style-type: none"> Disposable cap Surgical non-woven standard size/one size fits all 		2406						
9	Shoe cover <ul style="list-style-type: none"> Disposable Surgical non-woven One size fits all 		2406						
10	Disposable lab gown <ul style="list-style-type: none"> Non-woven fabric With white or garterized cuff Surgical Disposable One-size fits all 		2400						
11	Duct tape <ul style="list-style-type: none"> 50m x 50mm silver tape 		50						
Lot 7: Specialized consumables and reagents									

1	Nuclease free water <ul style="list-style-type: none"> ● Molecular Biology Grade ● DNase/RNase free ● not DEPC-Treated ● Sterile ● Volume: 1 Liter 		5						
2	0.2mL 96-well PCR Plates <ul style="list-style-type: none"> ● non-optical ● Half or non-skirted ● Clear ● DNase/RNase free ● Must be compatible with Veriti Pro PCR Machine ● Box of 50 		150						
3	0.1mL 96-well PCR Plates <ul style="list-style-type: none"> ● non-optical ● Half or non-skirted ● Clear ● DNase/RNase free ● Must be compatible with Veriti Pro PCR Machine ● Box of 50 		75						
4	0.2 mL PCR tubes with cap <ul style="list-style-type: none"> ● Flat caps frosted for easy labeling ● Double-locking caps for a stronger seal during cycling and storage ● Free of DNase, RNase, and human DNA 		10						
5	2.0 mL screw cap <ul style="list-style-type: none"> ● DNase/RNase free ● sterile ● self-standing ● polypropylene vials with O-ring clear caps ● autoclavable ● with graduations ● Pack of 500 		50						

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ____ of ____

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	LOT 1: Biosafety Cabinet, Microcentrifuge and small equipment								
1	Biosafety cabinet (Class II, Type A2) and accessories <ul style="list-style-type: none"> • Exhaust air filter & efficiency: ULPA filter with 99.9995% efficiency • Air quality: ISO 14644-1, Class 3, Worldwide • Nominal inflow & downflow velocity: 0.53m/sec & 0.35m/sec • Working area: 1.5m - 2.0m x 1.5m - 2.0m • Certifications/compliance: EN12469; Certified by TUV Nord; NSF49-USA; SFDA YY0659 - China • INCLUSIONS: Mobile floor stand UV lamp Electrical outlets UPS-AVR 3 years warranty one (1) lab stool • PCR Hood with accessories - 1 unit Filter: HEPA filter efficiency 99.999% at 0.3 um Sterilization: UV sterilization system 		1						

	<p>UV lamp: 20W *2; emission of 253.7 nm, with UV timer Material: Cold-rolled steel with antibacterial powder coating Illumination lamp: 40W*1 >= 1000 lux Accessories: UV lamp, fluorescent lamp, base stand, stainless steel shelf with IV Bar and universal caster with leveling feet; Waterproof socket*2 2 years warranty with preventive maintenance one (1) lab stool</p>								
2	<p>Minicentrifuge</p> <ul style="list-style-type: none"> ● max speed: 7000rpm ● max RCF = 2650 x g; ● capacity: 0.2/0.5/1.5/2.0mlx8;8x4x0.2ml (PCR strip tube); ● Rotor : interchangeable rotors 1. 8*2.0/1.5/0.5/0.2ml rotor(0.2ml and 2. 0.5ml adaptor); 8x4x0.2ml PCR strip tube; ● Power : AC 110V-256V; ● Consumption: 20W; ● Noise : 45 dBA; ● Warranty (at least 1 year) 		2						
3	<p>Plate spinner</p> <ul style="list-style-type: none"> ● Capacity: 2 plates ● Speed: 2,500 rpm ● Rotor: fixed- angle vertically ● Electrical: 120 V <ul style="list-style-type: none"> ● 1 year warranty on parts and services 		3						
4	<p>Vortex mixer</p> <ul style="list-style-type: none"> ● Mixing motion: orbital ● Motor type: shaded pole motor ● Speed range: 0-2500 rpm ● Run type; touch operation / continuous ● 1 year warranty on parts and supplies 		3						
5	<p>Portable HEPA filter system with accessories</p> <ul style="list-style-type: none"> ● Air Purifier 20-30 sq.m.,H11 HEPA Filter; ● UV light 256 Nm; ● CADR rating: 400m3/h; ● 4-stages filtration; ● Air exchange per hour: 500 cfm Airflow; ● 35 dBA silent type; ● HEPA Lifespan: 6 mos; ● Energy consumption: 0.5kwh/24hr; ● Weight: 4kgs ● INCLUSION: <ol style="list-style-type: none"> a. Replacement HEPA filters (40 units) b. 1 year warranty 		4						

	LOT 2: Freezers, liquid-handling systems and standard microcentrifuge								
1	Ultra Low Temp Freezer with accessories- -80C (ULTF) <ul style="list-style-type: none"> ● Temperature range: Should reach -80 °C. Can go between -40 °C to -86 °C ● Capacity: At least 800 L ● With CO2 back up ● Data logs ● Safety lock/ safe alarms ● Manual defrost ● Includes 5 sliding drawer racks and 320 pcs cryoboxes ● AVR-UPS ● 3 years warranty on parts and services 		1						
2	-20C Freezer with accessories <ul style="list-style-type: none"> ● Temperature range: Should reach -20°C; can go between -15 °C to -25 °C ● Capacity: At least 650 L ● Manual defrost ● Data logs ● Safety logs/ safe alarms ● Includes 6 sliding drawer racks ● 2 x 2ml cryotubes , 500 pcs /pack ● AVR-UPS <ul style="list-style-type: none"> ○ warranty: 1 year on parts and services 		1						
3	Multichannel pipettor P10 <ul style="list-style-type: none"> ● 8-channel ● Compatible with common pipet tips brand ● Autoclavable <ul style="list-style-type: none"> ● With stand ● Calibration certificate ● at least 1 year warranty on parts and services 		4						
4	Multichannel pipettor P100/200 <ul style="list-style-type: none"> ● 8-channel ● Compatible with common pipet tips brand ● autoclavable ● With stand ● Calibration certificate ● at least 1 year warranty on parts and services 		3						
5	Electronic pipettor (15-300ul) with accessories <ul style="list-style-type: none"> ● Single channel with multiple dispensing capabilities ● Rechargeable ● With stand ● Calibration certificate 		3						

	<ul style="list-style-type: none"> at least 1 year Warranty on parts and services 								
6	Single channel micropipettor (P10, P20, P100/200, P1000) <ul style="list-style-type: none"> Compatible with common pipet tips brand Autoclavable With stand Calibration certificate 1 year warranty 		5						
7	Standard Microcentrifuge <ul style="list-style-type: none"> Capacity: 24- 36 x 1.5/2.0 mL RPM: 14,800- 15,000 rpm (max for fixed angle) With biocontainment lid for the rotor autoclavable rotor warranty: 1 year warranty on parts and services & preventive maintenance 		1						
8	Autoclave with accessories <ul style="list-style-type: none"> Capacity: At least 50 L Temperature range: Should reach 121 °C. Can go between 40 °C to 140 °C Safety devices: Interlock system, Electro mechanical lock system, Double check system of lid close, Over pressure detector Steel baskets*2; heat resistant gloves * 1pair AVR-UPS <ul style="list-style-type: none"> 3 yrs warranty on parts & services 		1						
LOT 3: Refrigerator (4C) and accessories									
1	Refrigerator (4C) <ul style="list-style-type: none"> Temperature range: should reach 40C; can go between 2 0C to 80C Capacity: At least 300 L Laboratory grade Manual defrost 1 year on parts and services 		1						
LOT 4: High Performing Bioinformatics Computer with complete accessories									
1	High-performance Desktop Workstation (1 set) <ul style="list-style-type: none"> Intel i7 Core, 4.0GHz At least 64 GB DDR and expandable At least 1 TB SATA HDD 		1						

	<ul style="list-style-type: none"> ■ Windows 10 operating system with license; Ubuntu Linux (optional as dual boot) ■ USB 3.0 ports ■ Gigabit LAN WLAN ○ Bluetooth ○ With HDMI and VGA ports and cables ○ Graphics card CUDA cores: at least 3584 ○ Graphics card Boost clock: at least 1582 MHz ○ Graphics card Memory speed: at least 11 Gbps; ○ Graphics card Standard memory config: at least 11 GB GDDR5X ○ Graphics card Memory interface width: at least 352-bit; ○ Graphics card Memory bandwidth: at least 484 GB/sec; ○ Graphics card Supported technologies: CUDA, 3D Vision, PhysXNVIDIA G-SYNC™, Ansel ○ Ultrawide monitor (23-27 inches) ○ Wired keyboard and mouse; mousepad, headset ○ Backup UPS 650 VA/350 W (or appropriate voltage/wattage) with universal socket and surge protector ○ 1 unit of Microsoft Office, with multi-user (for 5 individuals) license ○ Cable: Factory-terminated Cat6 patch cords that support 1G (at least 25 meters) ○ 1 unit Workstation Desk (W x D x H: 700 – 750 mm x 350 – 400 mm x 650 – 700 mm) with Office Chair (with armrests and backrest) ○ 1-year warranty on all parts and services for each unit, ○ 1-year Annual preventive maintenance within the duration of warranty ○ Delivery and installation ○ External Drive: at least 20TB 								
	LOT 5: Plastic Consumables								
1	0.2 ml 96-well PCR Plates <ul style="list-style-type: none"> ● Optical ● White ● Hard-shell ● DNase/RNase free ● Skirted ● Compatible with ABI 96 Real-time PCR System ● Box of 25 		20						

2	Non-optical adhesive film <ul style="list-style-type: none"> • Must be compatible with 0.1mL and 0.2mL 96-well plates for Veriti Pro PCR Machine • Pack of 100 		208						
3	3. 0.2 mL 8-strip tube with 8-strip cap <ul style="list-style-type: none"> • Must fit any 96-well reaction blocks • Ultraclear flat caps for real-time PCR • Must have cap strips can be used with tubes or plates • Negative for DNase, RNase, and human DNA 		10						
4	Filtered pipette tips (10uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		300						
5	Filtered pipette tips (20uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		450						
6	Filtered pipette tips (200uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		800						
7	Filtered pipette tips (1000uL), rack of 10x96 tips <ul style="list-style-type: none"> • DNase/RNase free • Must be compatible with any brand of pipettes • Filtered • Sterile 		300						
8	1.5 mL Lo-bind (low retention) tubes <ul style="list-style-type: none"> • DNase/RNase free • Lo-bind material • Free of surface coating • Colorless • Pack of 250 		50						
9	Reagent reservoir <ul style="list-style-type: none"> • 25 ml • Polystyrene • Non-sterile • Individually packed • Pack of 50 		45						

	LOT 6: PPE Consumables								
1	Gloves, Extra Small <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		150						
2	Gloves, Small <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		30						
3	Gloves, Medium <ul style="list-style-type: none"> • Disposable • Powder free • Nitrile • Ambidextrous • Single use • Box of 100 		30						
4	Face mask, 3-ply <ul style="list-style-type: none"> • Disposable • 3 ply • Surgical mask • Medical grade • FDA Approved brand • Box of 50 		500						
5	N95 Respirator <ul style="list-style-type: none"> • Disposable • White • Non-Woven Synthetic Polyester • Medical grade • FDA Approved brand • Box of 160 		50						
6	Half-mask respirator filter <ul style="list-style-type: none"> • Offers reliable, convenient respiratory protection • Particulate Filters or Cartridges (such as organic vapor/acid gas cartridges) or dual airline system Available in 3 sizes 		20						

	<ul style="list-style-type: none"> (small, medium, large) to comfortably fit many faces With dual Airline Systems against a variety of gases, vapors and particulate hazards according to NIOSH approvals Head harness assembly and spare parts available Box of 10 								
7	Coverall <ul style="list-style-type: none"> Disposable Two-way zipper 2 Panel Hood, Elastic Cuff, Elastic Waist Material: Laminate Single pack Must include XS, S, and M sizes. Medical grade FDA approved brand 		2000						
8	Head cover <ul style="list-style-type: none"> Disposable cap Surgical non-woven standard size/one size fits all 		2406						
9	Shoe cover <ul style="list-style-type: none"> Disposable Surgical non-woven One size fits all 		2406						
10	Disposable lab gown <ul style="list-style-type: none"> Non-woven fabric With white or garterized cuff Surgical Disposable One-size fits all 		2400						
11	Duct tape <ul style="list-style-type: none"> 50m x 50mm silver tape 		50						
Lot 7: Specialized consumables and reagents									
1	Nuclease free water <ul style="list-style-type: none"> Molecular Biology Grade DNase/RNase free not DEPC-Treated 		5						

	<ul style="list-style-type: none"> • Sterile • Volume: 1 Liter 								
2	0.2mL 96-well PCR Plates <ul style="list-style-type: none"> • non-optical • Half or non-skirted • Clear • DNase/RNase free • Must be compatible with Veriti Pro PCR Machine • Box of 50 		150						
3	0.1mL 96-well PCR Plates <ul style="list-style-type: none"> • non-optical • Half or non-skirted • Clear • DNase/RNase free • Must be compatible with Veriti Pro PCR Machine • Box of 50 		75						
4	0.2 mL PCR tubes with cap <ul style="list-style-type: none"> • Flat caps frosted for easy labeling • Double-locking caps for a stronger seal during cycling and storage • Free of DNase, RNase, and human DNA 		10						
5	2.0 mL screw cap <ul style="list-style-type: none"> • DNase/RNase free • sterile • self-standing • polypropylene vials with O-ring clear caps • autoclavable • with graduations • Pack of 500 		50						

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____