



Republic of the Philippines
 Department of Agriculture
BUREAU OF FISHERIES AND AQUATIC RESOURCES
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**Request for Quotation (RFQ)
 World Bank (WB)**

Date: November 24, 2025
Solicitation No.: RFQ-WB-2025-97
PRAS No.: 2025-10-113

Sir/Madam:

The Government of the Republic of the Philippines has received a loan/grant from the World Bank towards the cost of the Philippine Fisheries and Coastal Resiliency (FishCoRe) project, and it intends to apply part of the proceeds of this loan to payment for the cost of **Procurement of Microplate Reader and other Various Laboratory Equipment for FishCoRe Laboratories.**

The Bureau of Fisheries and Aquatic Resources - FishCoRe project, invites quotations for the goods described in Annex A. Please quote your government price/s including delivery charges, VAT or other applicable taxes, and other incidental expenses for the goods described in Annex A. Also, furnish us with descriptive brochures, catalogues, and literatures.

Award shall be made on: [] item [X] per lot [] per package. Award shall be made to the lowest evaluated quotation that complies with the minimum technical specifications and other terms and conditions stated herein.

Please accomplish and submit this form together with Annex A to the Office of the BFAR-FishCoRe Procurement/ SBAC Secretariat at the 2nd Floor, National Food Authority, Visayas Ave. Diliman, Quezon City or email at fishcore.sbac@bfar.da.gov.ph **on or before December 2, 2025 at 09:30 AM.**

For clarifications, you may contact BFAR-FishCoRe Procurement SBAC at fishcore.sbac@bfar.da.gov.ph and Telephone no. 02-8740-9880.

Very truly yours,

ORIGINAL SIGNED
NAZARIO C. BRIGUERA
 Special Bids and Awards Committee

Terms and Conditions:

- Specifications here in provided are the minimum requirements of the BFAR-FishCoRe. Hence a bidder must not offer lower specifications than required.
- Bidders/Suppliers may submit alternate offer provided that the BFAR-FishCoRe SBACs official canvass form shall be filled out with the offered brand/model (if applicable), unit price, and total price, signed properly, and attached together with the Bidder's/Supplier's own canvass form.
- For those who will submit in a sealed envelope, must put the following details on the face of the envelope:

TO: BFAR-FISHCORE. SPECIAL BIDS AND AWARDS COMMITTEE

2nd Floor, National Food Authority, Visayas Ave. Diliman, Quezon City

- *Project Name*
- *Your Company Name*
- *Company Address & Contact no.*
- *Request for Quotation No.*
- *Date & Time of Deadline*

- Quotation validity shall not be less than: **Thirty (30) days**
- Terms of Delivery: **Please see the attached "ANNEX A" for delivery period/terms of delivery.**
- Place of Delivery: **Please see the attached "ANNEX A" for delivery site.**
- Terms of Payment: **within Thirty (30) days upon completion of delivery and submission of supporting documents**
- Liquidated Damages/Penalty: **(1/10) of one percent for everyday of delay shall be imposed.**
- In case of discrepancy between unit cost and total cost, unit cost shall prevail
- Mandatory Requirements** for above Ph50,000.00 Estimated Project Cost (EPC):
 - Business/Mayor's Permit**
 - BIR Certificate of Registration**
 - PhilGEPS Certificate of Registration/Printable PhilGEPS Membership Account with PhilGEPS Registration No.**
 - Notarized Affidavit of Undertaking (please see the attached Affidavit of Undertaking)**

Failure to attach mandatory requirements shall result to automatic disqualification of proposal

Note:

The following documentary requirements shall be required prior to payment:
 Tax Clearance & Income Tax Return (ITR) or Certificate of No. Tax Liability in lieu of the ITR

	Registered Name of Company:	
Canvasser	Tax Identification No:	
	Company Address:	
	Contact No.:	
	Name of Authorized Representative:	



ANNEX A

BFAR - GENDER AND DEVELOPMENT

Item /Lot /Package	Qty	Unit	Purchaser's Specifications	Unit Cost	Bidder's Specifications (Specify the brand and model, and indicate in each row of the specifications whether "comply" or "not comply" including the value / number of the specifications of the offered product)	Unit Cost	Total Cost
LOT 1			Procurement of Microplate Reader for FishCoRe Laboratories				
	4	set	Microplate Reader with Software and Documentation System	1,100,000.00			
			<i>Microplate Reader and Software Specifications:</i>				
			- With Absorbance detection mode				
			- With End point. Kinetic, well area scanning read methods (under computer control)				
			- Must be compatible with microplate types: 6-,12-,48-, 96-well microplate				
			- With temperature control				
			- With linear shaking				
			- With analytical software for external computer control and data analysis				
			- With user-programmable protocols:				
			Create, edit, runs protocols, Save result to external drive				
			- With colored LCD touchscreen display				
			- With tungsten halogen light source				
			- With photodiode detector				
			- With Filters for wavelength selection: 405, 450, 490, 630 340, 405, 450, 490, 630 ("UV" configurations)				
			- Wavelength range: 400 to 750 nm, 340 to 750 nm ("UV" configurations)				
			- With Dynamic Range of at least 0 to 4.0 OD (normal, rapid read modes)				
			- With Resolution of 0.001 OD (standalone mode) or better				
			- With at least 5 Filter wheel capacity				
			- With OD accuracy of +1.0% from 0.0 to 2.0 OD and +3.0% from 2.0 OD to 3.0 OD for 96-well plate, normal read mode (405 nm) or better				
			- With OD repeatability of ±0.5% ±0.005 OD from				

		0.0 to 2.0 OD for 96-well plate, normal read mode (405 nm) or better				
		- Reading speed(kinetic): For 96 wells, single wavelength				
		Normal read mode: At least 30 sec				
		Rapid read mode: At least 18 sec				
		Sweep read mode: At least 11 sec				
		- Reading speed(kinetic): For 96 wells, dual wavelength				
		Normal read mode: At least 63 sec				
		- With at least one (1) USB type B for computer control and two (2) USB type A for external drive and printer				
		- Must comply with the latest clinical, safety standards (UL, CE, and IVD)				
		- with 3kVA UPS				
		<i>Documentation (Brand-new Laptop) Specifications:</i>				
		- Operating System: At least Windows 11 Home or equivalent/better OS				
		- Processor: At least Intel® Core™ i3-1215U or equivalent/better processor				
		- Graphics: At least 16" Full-HD IPS				
		- Display: At least 16" Full-HD IPS				
		- Memory: At least 8GB DDR4				
		- Storage: At least 512GB				
		- Network and Connectivity: With at least Wi-Fi 6(802.11ax)				
		(Dual band) 2*2 + Bluetooth® 5.3 Wireless Card				
		<i>Documentation (Brand -new Printer) Specifications:</i>				
		- Printing Technology: Piezoelectric Printhead				
		- Print Direction: Bi-directional, Uni-directional printing				
		- Maximum Print Resolution: at least 720 x 720 dpi				
		- Ink tank system				
		After-Sales Inclusions for all equipment:				
		- Delivery and installation				
		- Training for end users on operation, maintenance, and trouble shooting				
		- At least 1 year warranty on parts and services for the microplate reader; at least 1 year warranty for laptop and printer				
		- 3 years Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
		- have available service engineers trained and with certificates on the specific models				
		Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				

			Delivery period: 90 days			
			Delivery site: BFAR Regional Fisheries Integrated Laboratory Sections III, VII, VIII, and IX			
			SUB-TOTAL	4,400,000.00		
LOT 2			Procurement of Realtime PCR and Nucleic Analyzer for FishCoRe Laboratories			
	1	set	Real-Time Polymerase Chain Reaction System with Documentation System	2,500,000.00		
			<i>Thermal Cycler:</i>			
			-Maximum ramp temperature: ~5°C/sec			
			-Average ramp temperature: ~3.3°C/sec			
			-Heated lid maximum temperature: up to 105°C			
			Temperature control			
			-Temperature range: 0- 100°C			
			-Accuracy: ±0.2°C at 90°C			
			-Well-to-well uniformity: ±0.4°C within 10sec of reaching 90°C			
			Thermal gradient capability:			
			-Gradient operational range: 30-100°C			
			-Programmable gradient span: 1-24°C			
			Optical detection system			
			-Excitation source: 6 filtered LEDs			
			-Detection: 6 filtered photodiodes			
			-Wavelength coverage: 450-730nm			
			Sensitivity & Dynamic range:			
			-Sensitivity: can detect as low as 1 copy of target sequence in human genomic DNA			
			-Dynamic detection range:10 orders of magnitude			
			Scan times			
			-All channels scan: ~12 seconds			
			-FAM/SYBR Green only: ~3 seconds			
			Software & Data Handling			
			-Operating systems supported: Windows 7, Windows 8, Windows 10			
			-Multiplex capability: Up to 5 targets per well (five-color multiplexing + 1 FRET channel)			
			-System licensed for real-time PCR: Yes			
			-Sample capacity: 96 wells			
			-Sample volume range: 1-50 µl (10-25 µl recommended)			
			-Communication interface: USB 2.0			
			- with 3kVA UPS			
			<i>Documentation (Brand-new Desktop) Specifications:</i>			

			- Processor (CPU): At least 3.20GHz up to 4.90GHz or AMD equivalent				
			- Graphics Processing unit (GPU): integrated graphics card, 4gb				
			- Random Access Memory: at least 16GB DDR5				
			- Storage: At least 512GB HDD				
			- Monitor: at least 24", IPS display				
			- Input device: keyboard and mouse				
			- Connection I/O:				
			Ports: 3x USB 3.2 Gen 1 Type-A				
			USB Type-C: 1x USB 3.2 Gen 1 Type-C (DisplayPort 1.4, Power delivery 140W)				
			Display: 1x HDMI 2.1				
			Audio: 1x 3.5mm headphone/microphone input/output				
			- Communication:				
			Ethernet: 1x RJ45 (Gigabit ethernet, Wake-on-LAN)				
			WiFi: Wifi6 (802.11 ax), dual-band (2.4/5 GHz)				
			Bluetooth: bluetooth 5.1				
			Software: Windows or equivalent OS				
			<i>Documentation (Brand -new Printer) Specifications:</i>				
			- Printing Technology: Piezoelectric Printhead				
			- Print Direction: Bi-directional, Uni-directional printing				
			- Maximum Print Resolution: at least 720 x 720 dpi				
			- Ink tank system				
	1	set	Fully Automated Nucleic Acid Extraction and Detection (insulated isothermal polymerase chain reaction) with Documentation System	2,500,000.00			
			<i>Nucleic Acid Analyzer (Extraction and Detection)</i>				
			- Extraction: Magnetic bead-based nucleic acid extraction				
			- PCR Amplification Technology: Insulated Isothermal PCR				
			- Fluorescent Wavelength: Capable of at least 520 nm, 550 nm				
			- Sensitivity: At least 10 copies per reaction				
			- Throughput: 1 - 8 samples per run or better				
			- Reaction Time: Approx. 85 mins or shorter				
			- Monitor: LCD touch control panel				
			- Operating Temperature: 15 - 35°C				
			- Data Storage: At least 8 Gb of internal storage				
			- Decontamination using built-in UV lamp				
			- with 3kVA UPS				
			<i>Documentation (Brand-new Laptop) Specifications:</i>				
			- Operating System: At least Windows 11 Home or equivalent/better OS				

			- Processor: At least Intel® Core™ i3-1215U or equivalent/better processor				
			- Graphics: At least 16" Full-HD IPS				
			- Display: At least 16" Full-HD IPS				
			- Memory: At least 8GB DDR4				
			- Storage: At least 512GB				
			- Network and Connectivity: With at least Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card				
			<i>Documentation (Brand -new Printer) Specifications:</i>				
			- Printing Technology: Piezoelectric Printhead				
			- Print Direction: Bi-directional, Uni-directional printing				
			- Maximum Print Resolution: at least 720 x 720 dpi				
			- Ink tank system				
	2	unit	Micro Nucleic Acid Analyzer	400,000.00			
			PCR amplification technology: insulated isothermal polymerase chain reaction (iiPCR)				
			Fluorescent wavelength: 520-550nm				
			Detection target: DNA and RNA				
			Sensitivity: up to 10 copies per reaction				
			Throughput: 1-4 samples per run				
			PCR reaction time: ~45mins.				
			Data storage: micro SD card				
			Operating temperature: 15 - 35°C				
			Power source: Li-ion polymer battery				
			Certification: TFDA				
			After-Sales Inclusions for all equipment:				
			- Delivery and installation				
			- Training end users on operation, maintenance, and trouble shooting				
			- At least 1 year warranty on parts and services for lab equipment; at least 1 year warranty for documentation systems (desktopo/laptop and printer)				
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
			- have available service engineers trained and with certificates on the specific models				
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				
			Delivery period: 90 days				
			Delivery site: Real-time PCR: BFAR National Fisheries Laboratory Division Fully Automated Nucleic Acid Extraction and Detection (insulated isothermal polymerase chain reaction): BFAR Regional Fisheries Integrated Laboratory Section III				

			Micro Nucleic Acid Analyzer: BFAR Regional Fisheries Integrated Laboratory Sections I and NCR			
			SUB-TOTAL	5,800,000.00		
LOT 3			Procurement of Fluorometer for FishCoRe Laboratories			
	1	unit	Fluorometer with Accessories for Histamine Analysis	2,200,000.00		
			Specification:			
			-Parameters for detection and minimum detection limit:			
			Histamine = 0.001ppm			
			-Readout: direct concentration (ug/L, ppb, mg/L, etc.) or Raw fluorescence (RFU)			
			-Capable of providing an Excitation wavelength of 350-380 nm			
			-Capable of reading Emission wavelengths of 410-490 nm			
			-Operating temperature: 60-105°F/ 15-40°C			
			-Power: 100-230VAC Universal power			
			-Accessories:			
			Compatible cuvette for fluorometry of histamine (e.g. methacrylate), 100 pcs.			
			Automatic voltage regulator			
			With 3kVA UPS			
			<i>Documentation (Brand-new Desktop) Specifications:</i>			
			- Processor (CPU): At least 3.20GHz up to 4.90GHz or AMD equivalent			
			- Graphics Processing unit (GPU): integrated graphics card, 4gb			
			- Random Access Memory: at least 16GB DDR5			
			- Storage: At least 512GB HDD			
			- Monitor: at least 24", IPS display			
			- Input device: keyboard and mouse			
			- Connection I/O:			
			Ports: 3x USB 3.2 Gen 1 Type-A			
			USB Type-C: 1x USB 3.2 Gen 1 Type-C (DisplayPort 1.4, Power delivery 140W)			
			Display: 1x HDMI 2.1			
			Audio: 1x 3.5mm headphone/microphone input/output			
			- Communication:			
			Ethernet: 1x RJ45 (Gigabit ethernet, Wake-on-LAN)			
			WiFi: Wifi6 (802.11 ax), dual-band (2.4/5 GHz)			
			Bluetooth: bluetooth 5.1			
			Software: Windows or equivalent OS			
			<i>Documentation (Brand -new Printer) Specifications:</i>			
			- Printing Technology: Piezoelectric Printhead			
			- Print Direction: Bi-directional, Uni-directional printing			
			- Maximum Print Resolution: at least 720 x 720 dpi			
			- Ink tank system			
			After-Sales Inclusions for all equipment:			

			- Delivery and installation				
			- Training end users on operation, maintenance, and trouble shooting				
			- At least 1 year warranty on parts and services for the fluorometer; at least 1 year warranty for desktop and printer				
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
			- have available service engineers trained and with certificates on the specific models				
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				
			Delivery period: 90 days				
			Delivery site: BFAR Regional Fisheries Integrated Laboratory Section IX				
			SUB-TOTAL	2,200,000.00			
LOT 4			Procurement of Homogenizer for FishCoRe Laboratories				
	1	unit	Heavy duty Laboratory Homogenizer	400,000.00			
			Description: Paddle Blender				
			<i>Specifications:</i>				
			Capacity : minimum:80 maximum:400ml				
			Adjustable Timer(digital): 0-99mins and 59 secs. (±5%)				
			Supply Voltage: 220V				
			Maximum recommended sample Temperature: 60°C				
			Recommended Operating Ambient Temp Range: 10-89%				
			Adjustable Paddle Speeds(digital): 75-300rpm (±5%) Increments of 5 rpm				
			Paddle Clearance: 0-100mm				
			Includes Sterile Disposable Bag appropriate for the unit				
	4	unit	Handheld Heavy duty Laboratory Homogenizer with Metal Rod Dispenser	340,000.00			
			-Speed range: 3000 - 25,000 rpm (stepless adjustment)				
			-Volume range: 1 - 1500ml				
			-Noise level: ≤70 dB				
			-Power input: 400 - 500W				
			-Voltage: 220 to 240V				
			-With LED digital display				
			-With timer function				
			-Accessories/Inclusions:				
			*Plate stand and clamps				
			*Metallic rod dispenser				
			-Volume range: 10-1500ml				
			-Stator diameter: 18mm				
			-Suitable for solvents				
			After-Sales Inclusions for all equipment:				

			- Delivery and installation			
			- Training end users on operation, maintenance, and trouble shooting			
			- At least 1 year warranty on parts and services			
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period			
			- have available service engineers trained and with certificates on the specific models			
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")			
			Delivery period: 90 days			
			Delivery site: -Homogenizer (paddle): BFAR Regional Fisheries Integrated Laboratory Section X -Homogenizer (hand-held): BFAR Regional Fisheries Integrated Laboratory Sections I, IV-A, VII, and NCR			
			SUB-TOTAL	1,760,000.00		
LOT 5			Procurement of Microscopes for for FishCoRe Laboratories			
	1	set	Inverted Microscope with high definition camera and documentation system	1,800,000.00		
			<i>Specifications:</i>			
			- Must have manual frame with 1port for fluorescence illuminator/magnification changer/right port, etc. 3 position light path prism (100:0/50:50/0:100)			
			- 6 position nosepiece			
			- Binocular tube			
			- Widefield eyepiece 10X			
			- Widefield eyepiece 10X, focusable			
			- Centering telescope			
			- Transmitted pillar			
			- Phase contrast ring slit			
			- Microtiter plate holder			
			- Slide glass/slide chamber holder			
			- Interference green contrast filter 45mm dia.			
			- Semi apochromat objective 4X/0.13, WD 17			
			- Plan achromat phase objective 10X, NA 0.25, WD 10			
			- Long working distance achromat phase objective 20X/0.4, WD 3.2			
			- Long working distance achromat phase objective 40X/0.55, WD 2.2			
			- 35 mm dish holder			
			- Automatic Voltage Regulator			
			- Accessories: stage micrometer, eyepiece micrometer, eyepiece pointer			

			- With at least 3kVA UPS			
			High definition camera			
			Specifications:			
			-Type: 8.9-megapixel color camera			
			Imaging sensor:			
			-Sensor type: 1-inch color Color CMOS			
			Shutter type: Global Shutter			
			Pixel size: 3.45 µm × 3.45 µm			
			Dynamic range: 10 bit			
			Sensitivity: -Gain: 1–24			
			Mount: Camera adaptor: C-mount			
			Exposure control: -Exposure mode: Manual, Auto			
			Storage media: -Integrated device for storing images (SSD: 60 GB)			
			External USB storage device			
			PC connected to network			
			Audio: Mic. input (monaural), phone jack			
			-Zooming magnification: 10% to 1600%			
			Remote function: PC connection			
			<i>Documentation (Brand-new Desktop) Specifications:</i>			
			- Processor (CPU): At least 3.20GHz up to 4.90GHz or AMD equivalent			
			- Graphics Processing unit (GPU): integrated graphics card, 4gb			
			- Random Access Memory: at least 16GB DDR5			
			- Storage: At least 512GB HDD			
			- Monitor: at least 24", IPS display			
			- Input device: keyboard and mouse			
			- Connection I/O:			
			Ports: 3x USB 3.2 Gen 1 Type-A			
			USB Type-C: 1x USB 3.2 Gen 1 Type-C (DisplayPort 1.4, Power delivery 140W)			
			Display: 1x HDMI 2.1			
			Audio: 1x 3.5mm headphone/microphone input/output			
			- Communication:			
			Ethernet: 1x RJ45 (Gigabit ethernet, Wake-on-LAN)			
			WiFi: Wifi6 (802.11 ax), dual-band (2.4/5 GHz)			
			Bluetooth: bluetooth 5.1			
			Software: Windows or equivalent OS			
			<i>Documentation (Brand -new Printer) Specifications:</i>			
			- Printing Technology: Piezoelectric Printhead			
			- Print Direction: Bi-directional, Uni-directional printing			
			- Maximum Print Resolution: at least 720 x 720 dpi			
			- Ink tank system			
7	set		Compound Microscope with camera and documentation system	410,000.00		

			Body: aluminum die-casting metal frame, protective covering				
			Optical system: universal infinity-corrected optical system				
			Illumination system: built-in transmitted illumination system, Kohler illumination (fixed field diaphragm), LED power consumption 2.4W (nominal value), precentered				
			Focusing: stage height movement (coarse movement stroke: 15mm), stroke per rotation for coarse adjustment knob: 36.8mm, focusing stopper, torque adjustment for coarse adjustment knob, fine focus knob (minimum adjustment gradations: 2.5um)				
			Revolving nosepiece: fixed quintuple nosepiece with inward tilt				
			Stage: wire movement mechanical fixed stage: 221 X 154mm, travelling range: 76mm X 30mm, at least single specimen holder, specimen position scale, stage XY movement stopper				
			Observation tube: type (anti-fungal), tube inclination: 30°				
			Interpupillary distant adjustment range: 48-75mm				
			Condenser:				
			Abbe condenser NA 1.25 with oil immersion				
			Built-in aperture iris diaphragm				
			AS lock pin				
			Objectives: plan achromat, anti-fungal				
			4X/0.1, WD: 18.5mm				
			10X/0.25, WD: 10.6mm				
			40X/0.65, WD: 0.6mm				
			100X/1.25, WD: 0.13mm				
			Eyepiece (10X): Field number = 20 (anti-fungus)				
			Accessories: stage micrometer, eyepiece micrometer, eyepiece pointer, dust cover				
			Consumables: oil immersion (10ml)				
			<i>Camera Specifications:</i>				
			Sensor: and size: 4K/IMX334(C) 1/1.8" (7.68X4.32)				
			Pixel: 2.0X2.0G				
			Sensitivity: 505mv with 1/30s, Dark signal: 0.13mv with 1/30s				
			FPS/Resolution: 30@3840x2160 (HDMI), 30@3840x21600 (Network), 30@3840x2160 (USB)				
			Binning: 1x1				
			Exposure: 0.04ms ~ 1000s				
			USB Mouse: connect USB mouse for easy operation with embedded software				
			USB2.0: connect USB flash drive to save pictures and videos, connect 5G WLAN module to transfer video wirelessly in real time				
			USB Video: connect PC or other host device to realize video image transmission				

		HDMI: comply with HDMI 1.4 standard, 4K/1080P format according to the connected monitors				
		LAN: Lan port to connect router and switch to transfer video				
		SD: comply with SDIO 3.0 standard and SD card could be inserted for videos and images saving, on/off power switch				
		LED: LED status indicator				
		DC12V: power adapter connection (12V/1A)				
		Video output interface HDMI interface: comply with HDMI 1.4 standard 30fps@4K or 30fps@1080P				
		USB Video interface: connecting USB video port of PC for video transfer MJPEG format video				
		<i>Documentation (Brand-new Laptop) Specifications:</i>				
		- Operating System: At least Windows 11 Home or equivalent/better OS				
		- Processor: At least Intel® Core™ i3-1215U or equivalent/better processor				
		- Graphics: At least 16" Full-HD IPS				
		- Display: At least 16" Full-HD IPS				
		- Memory: At least 8GB DDR4				
		- Storage: At least 512GB				
		- Network and Connectivity: With at least Wi-Fi 6(802.11ax)				
		(Dual band) 2*2 + Bluetooth® 5.3 Wireless Card				
		After-Sales Inclusions for all equipment:				
		- Delivery and installation				
		- Training end users on operation, maintenance, and trouble shooting				
		- up to 3 years warranty on parts and services for microscopes, at least 1 year warranty for camera and documentation systems				
		- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
		- have available service engineers trained and with certificates on the specific models				
		Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				
		Delivery period: 90 days				
		Delivery site: - Inverted microscope: BFAR Regional Fisheries Integrated Laboratory Section XIII - Compound microscope: BFAR Regional Fisheries Integrated Laboratory Sections I, IV-A, VII, VIII, X, CAR, and NCR				
		SUB-TOTAL	4,670,000.00			
LOT 6		Procurement of various laboratory equipment for FishCoRe Laboratories				
	4	unit	Autoclave Sterilizer	500,000.00		

			Specifications:			
			Capacity: At least 60L			
			Load Type: Top Loading			
			Temperature Range(°C): 100-140°C			
			Display: Fully automatic with Exhaust/ drain line or its equivalent			
			Electric Supply: 220V			
			Safety Features:			
			Low water level detection or its equivalent			
			Sensory open alarm (sterilization and if the water is below its level)			
			Pressure interlock on the door or its equivalent			
			Inclusion: Wire mesh carriers			
	2	unit	Convection Oven	100,000.00		
			Description			
			Temperature			
			Working temperature range: at least 5°C above ambient temp. to +300 °C			
			Setting accuracy temperature: up to 99.9 °C: 0.1 / from 100 °C: 0.5			
			Setting temperature range: +20°C to +300°C			
			Temperature sensor: 1 Pt100 sensor DIN class A in 4-wire-circuit			
			Control technology Timer			
			Digital backwards counter with target time setting, adjustable from			
			1 minute to 99 days			
			With function: process time does not start until set temperature is reached			
			Calibration: at least 3 freely selectable temperature values			
			Adjustable parameters: temperature (Celsius or Fahrenheit), air flap position, program time			
			Ventilation: Convection (natural convection)			
			Vent: vent connection with restrictor flap			
			With function: program stored in case of power failure			
			With fully insulated stainless steel door with			
			2-point locking (compression door lock)			
			With at least 1 stainless steel grid, electropolished			
			Volume: At least 32 L			
			Max. loading of chamber: 60 kg			
			Voltage Electrical load: 230 V, 50/60 Hz (approx. 1600 W)			
			Ambient temperature: +5 °C to +40 °C			
			Humidity rh: max. 80 %, non-condensing			
	2	unit	Incubator	300,000.00		
			Specifications:			

			Working temperature range: 0°C to +70°C or wider				
			Setting accuracy temperature: 0.1 °C or better				
			Temperature: 1 Pt100 sensor DIN class A in 4-wire-circuit				
			Adaptive multifunctional digital PID-microprocessor controller with high-definition display				
			Timer: Digital backwards counter with target time setting, adjustable from 1 minute to 99 days				
			With function that process time does not start until the set temperature is reached				
			Calibration: at least 3 freely selectable temperature values				
			Adjustable parameters (at least): temperature (Celsius or Fahrenheit), programme time				
			With forced ventilation by Peltier fan				
			Documentation programme stored in case of power failure				
			With software for reading out, managing and organising the data logger via Ethernet interface				
			With adjustable electronic overtemperature monitor and mechanical temperature limiter				
			With autodiagnostic system for fault analysis				
			Door: fully insulated stainless steel door with 2-point locking (compression door lock)				
			With at least 2 stainless steel grid(s), electropolished				
			With inner glass door				
3	pcs		Water Bath	180,000.00			
			Volume: At least 37.5 L				
			Liquid level min. 20 mm				
			Liquid level max. 114 mm				
			Temperature sensor: digital temperature sensor				
			Temperature Setting: Celsius / Fahrenheit				
			Working temperature range: at least 5 °C above ambient to +100				
			Setting temperature range: +10 to +100 °C or wider				
			Setting accuracy temperature: 0.1 °C or better				
			Calibration: At least 2-point calibration				
			Controller: colored graphic display with touchscreen				
			Controller: digital display of set and actual temperature, program time				
			Safety Temperature control: w/ safety system to prevent overtemp				
			With pressure sensor for level monitoring, shutdown in case of error				
			With individually adjustable overtemperature alarm, visual				
			With independent temp. limiter to switch off the heating in case of failure				

			With microprocessor PID-temperature controller with integrated autodiagnostic system with fault indicator				
			With corrosion-proof large-area heating on the outside of the interior				
			Cover: Stainless steel gable cover				
			With innovative drain system				
			Timer: digital timer from 1 min. up to 99 hours 59 min., visual and acoustic				
			With stainless steel interior				
			With interior deep-drawn stainless steel tray, without corners and edges for easy cleaning incl. central drain				
	1	unit	Hotplate with Stirrer	80,000.00			
			- Precise control of temperature and stirring speeds				
			- Maximum hot temperature surface 380°C & even heating surface				
			- With at least 5 liter stirring capacity				
			- Built-in support rod holder with locking knob: can accept the optional support rod				
			After-Sales Inclusions for all equipment:				
			- Delivery and installation				
			- Training end users on operation, maintenance, and trouble shooting				
			- At least 1 year warranty on parts and services				
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
			- have available service engineers trained and with certificates on the specific models				
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				
			Delivery period: 90 days				
			Delivery site: -Autoclave: BFAR National Fisheries Laboratory Division and Regional Fisheries Integrated Laboratory Sections VII, X (2 Units), and XIII -Convection oven: BFAR Regional Fisheries Integrated Laboratory Sections VII and X -Incubator: BFAR Regional Fisheries Integrated Laboratory Sections VII and X -Water Bath (at least 37.5L): BFAR Regional Fisheries Integrated Laboratory Sections IV-A, VII, and X -Hotplate stirrer: BFAR Regional Fisheries Integrated Laboratory Section X				
			SUB-TOTAL	3,420,000.00			
LOT 7			Procurement of various laboratory equipment for FishCoRe Laboratories				

3	unit	Analytical Balance	250,000.00		
		Specifications:			
		-Capacity: 220g			
		-Readability: 0.0001 g			
		-Repeatability (sd.), ≤5% of Full Load: 0.00008 g			
		-Repeatability (sd.), 5% of Full Load to Full Range: 0.0001 g			
		-Linearity Deviation, Typical: ±0.00006 g			
		-Linearity Deviation: ±0.0002 g			
		-Stabilization Time: ≤3 secs			
		-Sensitivity Drift: 2 ppm/°C			
		-Min-Weight (Typical): 0.16 g			
		-Min-Weight (Optimal): 0.082 g			
		-Pan Size : Ø 3.5 in / 90 mm			
		-Tare Range: To capacity by subtraction			
		-Power Requirements "AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz , AC Adapter Output: 12 VDC 0.84A"			
		-Display Type: Full-Color Touchscreen WQVGA Graphic LCD			
		-Display Size: 4.3 in / 109 mm (diagonal)			
		-Base Housing (W×H×D): 13.93 x 13.39 x 9.05 in / 354 × 340 × 230 mm			
		-Communication: RS232, USB Device, USB Host			
		-Temperature Range: 10°C to 30°C			
		-Humidity Range: Maximum relative humidity 80% for temp. up to 30°C			
7	unit	Toploading balance, 820gx0.001g	200,000.00		
		Specifications:			
		Capacity: 820 g			
		Minimum Display: 0.001g			
		Repeatability: 0.001g			
		Linear Deviation: ±0.002 or ±0.003			
		Response Time (s): 1.5-3			
		Ambient Temperature and Humidity: 10-40°C 30-85%			
		Display: LCD with backlight			
		Levelling: Glass level indicator with air bubble for centering			
		Power: AC adaptor 220 - 240V			
2	unit	Weighing Scale	10,000.00		
		-Maximum capacity: 5kg			
		-Graduation: 20g			
		-Material: Stainless steel body			
		-Powder coated with anti-microbial system			
		-Mechanical dial type			
		-Aluminum bowl or stainless flat plate			
5	set	Micropipette and Pipettor set (1-10ul), (1-20ul), (10-100ul), (20-200ul), (100-1000ul), (1-5ml)	130,000.00		

			- Volume Range: (1-10ul), (1-20ul), (10-100ul), (20-200ul), (100-1000ul), (1000-5000uL or wider range)			
			- Operating Temperature : 15 to 40°C			
			- Material: Polypropylene			
			- Certifications/Compliance: DIN EN 285			
			- Repeatedly autoclavable at 121°C			
			- With one-handed volume adjustment with brake			
			- With easy and fast in-lab calibration adjustments			
			- Must fit tips from most quality manufacturers			
	2	set	Multi-channel Pipettor	60,000.00		
			-Volume range: 10-200ul or wider range			
			-8-channel pipettor			
			- Tip compatibility 200 uL			
			-Graduation at least: 0.1 ul			
			-Accuracy ranging from: ±3.0 to ±0.5			
			- Precision ranging from: <1.0 to <0.15			
			After-Sales Inclusions for all equipment:			
			- Delivery and installation			
			- Training end users on operation, maintenance, and trouble shooting			
			- At least 1 year warranty on parts and services			
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period			
			- have available service engineers trained and with certificates on the specific models			
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")			
			Delivery period: 60 days			
			Delivery site: - Analytical Balance: BFAR Regional Fisheries Integrated Laboratory Sections X, XIII, and NCR - Top Loading Balance: Regional Fisheries Integrated Laboratory Sections I, VII, VIII, X (2 units), XIII, and NCR - Weighing scale: BFAR Regional Fisheries Integrated Laboratory Sections I, and NCR - Micropipettes: BFAR Regional Fisheries Integrated Laboratory Sections I, IV-A, X (2 units) and NCR - Multi-channel pipettor: BFAR Regional Fisheries Integrated Laboratory Sections IV-A, and X			
			SUB-TOTAL	2,940,000.00		
LOT 8			Procurement of Cyanide set-up and HAB Monitoring system for FishCoRe Laboratories			
	1	set	Cyanide Detection Set-up System	300,000.00		
			<i>Cyanide Ion Selective Electrode (ISE)</i>			

			-Sensor type: Solid			
			-Measurement Range: 0.03 - 250 ppm			
			-Main Interference: Br-, I-, S2-			
			-Operating Temperatures : 0 to 50°C			
			<i>Vacuum Pump (for Cyanide)</i>			
			-Specification (220V, 50Hz)			
			-Maximum power must be 60 W			
			-Maximum current must be 0.3 A			
			-Maximum vacuum: Ultimate 173mbar (-630mmHg)			
			-Maximum flow rate must be 20 l/min			
			-Must have moisture trap			
			-Must have vacuum regulator/controller			
			-Must have overflow protection			
			-Motor rotation must be 1450 RPM			
			-Horse power must be 1/8 HP			
			-Noise level must be 50.0 dB			
			-Hose barb must be 5/16 inch (8 mm)			
			-Must be CE certified			
			-Must have IP 30 protection			
			-Must have RoHS certification			
			<i>Circulation Pump (for Cyanide)</i>			
			-Housing Material must be nylon			
			-Maximum head must be 12.3 ft			
			-Seal material must be Viton			
			-Minimum flowrate must be 1 GPM			
			-Outlet Type must be MNPT			
			-Must have Lip seal type			
			-Flowrate @ 3 ft must be atleast 300 GPH			
			<i>Heating Mantle and Distillation Set-up (for Cyanide)</i>			
			-Capacity: 1000 mL			
			-Power (W): 380			
			-Working Time : Continuous			
			-Consumption (W) : 300			
			-Power Supply : AC220/110V±10%, 50/60Hz			
			-Distillation set up (1L round bottom flask with inlet, inlet tube, cold finger condenser, condenser jacket, connector tube with inlet for vacuum, absorber tube)			
	2	set	HAB Monitoring Materials and Accessories	145,000.00		
			<i>Plankton Net</i>			
			-1 meter long including 18cm canvass cloth 20-microns silkscreen mesh size			
			-Net ring: 30cm mouth diameter stainless steel			
			-Bucket/Cod end: PVC plastic engineering			

			4cm mouth diameter opening and 19 cm length valve opening and closing				
			Bridle rope connecting to the ring and bucket				
			12 meters calibrated with 1 meter interval				
			<i>Samplig Bag</i>				
			-Reusable mesh bag (15pcs/pack)				
			<i>Sampling bottle</i>				
			-Capacity: 250ml				
			-Material: HDPE				
			-Pack of 15				
			<i>Shucking set</i>				
			-Stainless steel knife				
			-Silicone non-slip shell holder				
			<i>Sedgewick-rafter counting chamber</i>				
			-Flat glass base				
			-50mm length X 20mm width X 1mm depth				
			-Volume: 1ml				
			-Grid: 50 X 20 squares				
			After-Sales Inclusions for all equipment:				
			- Delivery and installation				
			- Training of end users on operation, maintenance, and trouble shooting				
			- At least 1 year warranty on parts and services				
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period				
			- have available service engineers trained and with certificates on the specific models				
			Notes: (INDICATE IN EACH ROW WHETHER "COMPLY" OR "NOT COMPLY")				
			Delivery period: 90 days				
			Delivery site: -Cyanide detection set-up: BFAR National Fisheries Laboratory Division -HAB Monitoring materials and accessories: BFAR Regional Fisheries Integrated Laboratory Sections I and NCR				
			SUB-TOTAL	590,000.00			
LOT 9			Procurement of Centrifuges for FishCoRe Laboratories				
	1	pc	Refrigerated Centrifuge	650,000.00			
			With secure, push-button rotor exchange (quick and easy rotor installation and removal)				
			Includes lids designed for glove-friendly, one-handed operation, ensuring safe handling of samples.				
			With Bench Space for maximum capacity				
			Configuration can accommodate at least:				

		- 6x50 mL conical tubes				
		- 8x15 mL conical tubes				
		- Microplates and microtubes				
		Fixed angle flexibility allows for high-speed spinning:				
		-At least 12,000 x g for 50 mL conical tubes				
		-Speeds up to 30,000 x g for microtubes				
		With low noise levels, at maximum of 52 dBA				
		Allows storage and editing of pre-set protocols				
		Must have a highly visible backlit display				
		Complies with the latest clinical and safety standards (UL, CE, and IVD)				
		Run Time: At least 99 hr 59 min, continuous				
		Temperature Range: -10° to +40°C or wider range				
		Capacity: At least 4 x 145mL, 6 x 50mL rotors				
		Inclusion: AVR and UPS				
1	set	Benchtop Centrifuge with Rotor	350,000.00			
		<i>Specifications:</i>				
		Capacity: Fixed-angle rotor (included) holds at least 6 x 50ml tubes and 8x15ml tubes				
		Easy to use digital control interface with customizable program settings				
		Drive motor: brushless motor				
		Power: 220-240V				
		Max speed: at least 6000 rpm				
		Safety Features: Auto-Lock rotor exchange system, automatic imbalance detection				
		Noise Level: <60 dB				
		Inclusion: AVR and UPS				
		Must allow effortless transitions between different tube and plate types				
		With low noise levels, at maximum of 52 dBA				
		Allows storage and editing of pre-set protocols				
		Must have a highly visible backlit display				
		With User-friendly interface compatible with gloves and detergents.				
		Provides multilingual instructions for programming, run conditions, alerts, and service messages.				
		Complies with the latest clinical and safety standards (UL, CE, and IVD)				
		Run Time: At least 99 hr 59 min, continuous				
		Capacity: At least 4 x 145mL, 6 x 50mL rotors				
1	unit	Microcentrifuge	100,000.00			
		Speed: at least 4800 to 6000rpm				

			-Capacity: 8 X 1.5/2.0ml, four 8 X 0.2ml tube strips or 32 individual 0.2ml PCR tubes			
			-Electrical: 240V, 50/60Hz			
			-CE Compliant			
2	unit	Vortex Mixer		50,000.00		
			<i>Specifications:</i>			
			Type of movement: Orbital			
			With Touch function			
			Speed: 0-2700 rpm or higher			
			Shaking weight: 100g to 400g			
			Speed display: scale			
			Operating mode: automatic or continuous			
			Protection class: IP 21 or more			
			Ambient Temperature: 5°C to 40°C			
			Power: 220-240V			
			After-Sales Inclusions for all equipment:			
			- Delivery and installation			
			- Training end users on operation, maintenance, and trouble shooting			
			- At least 1 year warranty on parts and services			
			- At least 1 year Preventive Maintenance and Calibration (including necessary consumables) after Warranty Period			
			- have available service engineers trained and with certificates on the specific models			
			Notes:			
			Delivery period: 90 days			
			Delivery site: - Refrigerated centrifuge: BFAR Regional Fisheries Integrated Laboratory Section IX - Benchtop Centrifuge: BFAR Regional Fisheries Integrated Laboratory Section VIII - Benchtop microcentrifuge: BFAR Regional Fisheries Integrated Laboratory Section I - Vortex mixer: BFAR Regional Fisheries Integrated Laboratory Sections I and VIII			
			SUB-TOTAL	1,200,000.00		
			GRAND TOTAL	26,980,000.00		

END-USER: Component 2: MARLIN 2.3

PURPOSE: Purchase of laboratory equipment for testing of fish and fishery products for monitoring and trade requirements to ensure food safety.

IMPORTANT: The Supplier/Bidder have carefully read and fully understood the terms and conditions, minimum requirements and agree to furnish and/or deliver in conformity with specifications any or said described above within the delivery period from receipt of Purchase Order.
The winning bidder MUST SIGN the original copy of Purchase Order at BFAR-FishCoRe Procurement/SBAC Secretariat at the 2nd Floor, National Food Authority, Visayas Ave. Diliman, Quezon City.

Original Signed
GELLI R. NAIG
Signature over printed name
Procurement Officer

Name and signature of authorized representative: _____
Date Accomplished: _____
Registered Name of Company: _____

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT OF UNDERTAKING

I, _____ [Name of Affiant], of legal age, _____ [Civil Status],
_____ [Nationality], and residing at _____ [Address of Affiant],
after having been duly sworn in accordance with law, do hereby depose and state that:

1. Select one, delete the other:

If a sole proprietorship: I am the sole proprietor or authorized representative of _____
[Name of Bidder] with office address at _____ [address
of Bidder];

If a partnership, corporation, cooperative, or joint venture: I am the duly authorized
and designated representative of _____ [Name of Bidder] with office address at _____ [address
of Bidder];

2. Select one, delete the other:

If a sole proprietorship: As the owner and sole proprietor, or authorized
representative of _____ [Name of Bidder], I have full power and authority to do,
execute and perform any and all acts necessary to participate, submit the bid, and to
sign and execute the ensuing Purchase Order/Contract for

[Title of the Procurement Requirement] of the **Bureau of Fisheries and Aquatic
Resources - Fisheries and Coastal Resiliency project (FishCoRe)**, as shown in the
attached duly notarized Special Power of Attorney;

If a partnership, corporation, cooperative, or joint venture: I am granted full power
and authority to do, execute and perform any and all acts necessary to participate,
submit the bid, and to sign and execute the ensuing contract for _____ [Name of the
Project] of the **Bureau of Fisheries and Aquatic Resources - Fisheries and Coastal
Resiliency project (FishCoRe)**, as shown in the attached _____ [state title of
attached document showing proof of authorization (e.g., duly notarized Secretary's
Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is
applicable;)];

3. _____ [Name of Bidder] is not "blacklisted" or barred from
bidding by the Government of the Philippines or any of its agencies, offices,
corporations, or Local Government Units, foreign government/foreign or
international financing institution whose blacklisting rules have been recognized by
the Government Procurement Policy Board;
4. _____ [Name of Bidder] is up to date with its filing requirements,
has paid all fees and penalties due and payable under the provisions of the law;
5. _____ [Name of Bidder] is in continuous unbroken existence
since its company registration, and no action is currently being taken by the
(DTI/SEC/CDA) to strike the company off the register or to dissolve it as defunct;
6. As far as the (DTI/SEC/CDA) is aware, the company is not in liquidation or subject to
an administration order, no receiver or manager of the company's property has been
appointed;
7. Each of the documents submitted in satisfaction of the bidding requirements is an
authentic copy of the original, complete, and all statements and information
provided therein are true and correct;

8. _____ *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
9. _____ *[Name of Bidder]* complies with existing labor laws and standards; and
10. _____ *[Name of Bidder]* is aware of the following responsibilities as a Bidder:
 - a) Carefully examined all of the Request for Quotation and Technical Specifications;
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Purchase Order/Contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the

[Title of the Procurement Requirement].

IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of ____, 20____
at _____, Philippines.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this _____ day of _____
[month]
_____ *[year]* at _____ *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her _____ *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _ and his/her Community Tax Certificate No. issued on _ at _.

Witness my hand and seal this _ day of _____ *[month]* _____ *[year]*.

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

NAME OF NOTARY PUBLIC _____
Serial No. of Commission _____
Notary Public for _____ until _____
Roll of Attorneys No. _____
PTR No. _____ *[date issued]*, *[place issued]*
IBP No. _____ *[date issued]*, *[place issued]*