



Republic of the Philippines  
Department of Agriculture  
Bureau of Fisheries and Aquatic Resources  
**BIDS AND AWARDS COMMITTEE OFFICE**

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**SUPPLEMENTAL BID BULLETIN 02**  
February 09, 2023

**SUBJECT : Bid Reference 2023-08 entitled "Laboratory Equipment for Legislated Hatcheries in Region XIII - CARAGA."**

This Supplemental Bid Bulletin no. 2 is issued to all participating bidders to clarify, amend and/or modify certain provisions and requirements set forth under the above-entitled procurement project based on the result of the Pre-bid Conference conducted on February 09, 2023, 09:00 a.m. to wit:

**I. BID DATA SHEET, ITB CLAUSE 5.3**

**FROM**

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be:  a. <b>Laboratory Equipment for Legislated Hatcheries.</b>  b. Bidder must have completed a single contract that is similar to this Project, equivalent to at least <b>Fifty percent (50%)</b> of the ABC within <b>Two (2) years</b> prior to the deadline for the submission and receipt of bids.

**TO**

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be:  a. <b>Laboratory Equipment.</b>  b. Bidder must have completed a single contract that is similar to this Project, equivalent to at least <b>Fifty percent (50%)</b> of the ABC within <b>Two (2) years</b> prior to the deadline for the submission and receipt of bids.



## II. SECTION IV, TECHNICAL SPECIFICATIONS

### FROM

#### LOT 1: Compound Microscope with documentation system

<b>Compound Microscope with Documentation System</b>
<b>Compound Microscope</b>
Body: Aluminum die-casting metal frame,
Protective covering
Optical System: Infinity optical system
Illumination System: Built-in transmitted
illumination system, LED Power Consumption
0.5 W (nominal values)
Focusing: Stage height movement
(coarse movement stroke: 15 mm), coarse
adjustment limit stopper, Torque adjustment for
coarse adjustment knob, Fine focus knob
(minimum adjustment gradations: 2.5 $\mu$ m)
Revolving Nosepiece: Fixed quadruple nosepiece
Stage: Wire movement mechanical fixed stage
Traveling range: 76 mm (X) x 30 mm (Y),
Specimen holder, Specimen position scale
Observation Tube: 30° inclined trinocular tube
Interpupillary distance adjustment range: 48 – 75 mm
Eyepoint adjustment: 370.0 – 432.9 mm
Objectives: Plan achromat, anti-fungus
4x NA: 0.10 W.D.: 27.8 mm
10x NA: 0.25 W.D.: 8.0 mm
40x NA: 0.65 W.D.: 0.6 mm
100xOil NA: 1.25 W.D.: 0.13 mm
Eyepiece (10x): Field Number (FN): 20 (anti-fungus)
Weight Approx. 5.9 kg
Rated Voltage/Electric Current AC 100–240 V
50/60 Hz 0.4 A
Power Consumption: Less than 2 W
<b>Includes:</b>
Oil Immersion 10ml Oil Immersion 10ml
Cover-015 (WP) Dust Cover Type-015 with print
Power Cord UYCP Power Cord



<b>Documentation System (Camera)</b>
<b>FEATURES:</b>
Compatible with the compound microscope
Exmor RS CMOS sensor with USB3.0 interface;
Real-time 8/12/14/16bit depth switch
Super high sensitivity up to 1120mV(IMX185);
Ultra low noise and low power dissipation by
using column-parallel A/D conversion;
With hardware resolution among 2.3M to 12M;
Rolling Shutter or Global Shutter;
Standard C-Mount camera;
CNC aluminum alloy housing;
USB3.0 5 Gbps interface ensuring high frame rates;
With advanced video & image processing
application ToupView;
Providing Windows/Linux/Mac OS multiple
platforms SDK;
Native C/C++, C#/VB.Net, DirectShow, Twain,
LabView
<b>SPECIFICATION:</b>
Sensor & Size(mm): 20M/IMX183(C) 1“(4.8x3.6)
Pixel(μm): 2.4 x2.4
G Sensitivity Dark Signal: 462mv with 1/30s,
0.21mv with 1/30s
FPS/Resolution: 5.5@5440x3648, 16@2736x1824,
21@1824x1216
Binning: 1x1, 2x2, 3x3
Exposure: 0.1ms~15s
Spectral Range: 380-650nm (with IR-cut Filter)
White Balance: ROI White Balance/ Manual Temp
Tint Adjustment/NA for
Monochromatic Sensor
Color Technique: Ultra-Fine™ Color Engine/
NA for Monochromatic Sensor
Capture/Control API: Native C/C++, C# /VB.Net,
DirectShow, Twain and Labview
Recording System: Still Picture and Movie
Cooling System*: Natural
Operating Temperature(in Centidegree): -10~ 50
Storage Temperature(in Centidegree): -20~ 60
Operating Humidity: 30~80%RH
Storage Humidity: 10~60%RH
Power Supply DC: 5V over PC USB Port
<b>C-mount Adaptor</b>
<b>Documentation System (Laptop)</b>



Processor: Intel core i5
Memory: 8GB DDR4
Hard Drive: 512 GB SSD
Display: 14" HD
Operating System: Win 11
Connectivity: WiFi, USB 3.0
Includes:
Antivirus for 1 user
- One (1) Year Subscription
Microsoft Office
Must include:
Warranty: Three (3) years on parts and
one (1) year on service
Camera/Laptop: One (1) year on parts
Delivery Period: 120 days

**TO**

**LOT 1: Compound Microscope with documentation system**

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<b>Compound Microscope</b>
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(minimum adjustment gradations: 2.5 µm)
Revolving Nosepiece: Fixed quadruple nosepiece
Stage: Wire movement mechanical fixed stage
<b>Traveling range: 76 mm (X) x 30 mm (Y), (EQUAL OR GREATER THAN)</b>
Specimen holder, Specimen position scale
Observation Tube: 30° inclined trinocular tube
Interpupillary distance adjustment range: 48 – 75 mm
<b>Eyepoint adjustment: 370.0 – 432.9 mm, (EQUAL OR GREATER THAN)</b>
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Eyepiece (10x): Field Number (FN): 20 (anti-fungus)
Weight Approx. 5.9 kg
Rated Voltage/Electric Current AC 100–240 V
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Exmor RS CMOS sensor with USB3.0 interface;
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Ultra low noise and low power dissipation by
using column-parallel A/D conversion;
With hardware resolution among 2.3M to 12M;
Rolling Shutter or Global Shutter;
Standard C-Mount camera;
CNC aluminum alloy housing;
USB3.0 5 Gbps interface ensuring high frame rates;
With advanced video & image processing
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Display: 14" HD
Operating System: Win 11
Connectivity: WiFi, USB 3.0
Includes:
Antivirus for 1 user
- One (1) Year Subscription
Microsoft Office
Must include:
Warranty: Three (3) years on parts and
one (1) year on service
Camera/Laptop: One (1) year on parts
Delivery Period: 120 days

### III. SECTION IV, TECHNICAL SPECIFICATIONS FROM

#### LOT 5: Portable Multi Parameter Water Quality Checker

<b>Portable Multi Parameter Water Quality Checker</b>
Barometer Range: 375 to 825 mmHg
IP-67, impact-resistant, water proof case,
Multi probe system: simultaneously measures dissolved oxygen (DO), specific conductance, pH, salinity, conductivity, temperature, ORP, ph/ORP combi, ammonium nitrate, chloride, Total Dissolved Solids (TDS) & barometer.
Cable Options: Standard lengths of 1, 4, 10, 20 or 30 meters with single port, dual port
Memory: 5000 datasets

Power: 2 alkaline C-cells provide 80 continuous hours at ambient temperature without backlight; USB power or optional wall power can be supplied via micro-USB port
Dimensions: 8.3 cm width x 21.6 cm length x 2.3 cm depth
USB: Built-in micro-USB port for on-the-go data exports via direct connection to the included USB stick; user-upgradeable firmware via USB and website
Waterproof: IP-67 (even with battery cover off); floats
Weight: 475 grams (1.05 lbs.) with batteries
Inclusion:
4M cable (Cond/Temp/TDS/Salinity Sensor)
pH Sensor, DO Sensor
1 SET Conductivity Standard
1 SET pH4 Buffer solution
1 SET pH7 Buffer solution
1 SET pH10 Buffer solution
Conductivity std
Hard Case
Training on Initial instruments installation, commissioning and initial operation.
1 year warranty on parts and services
Delivery period: 180 days
please quote by item
If the item has expiration, the date of expiration should be greater than 1 year upon delivery

**TO**

## **LOT 5: Portable Multi Parameter Water Quality Checker**

<b>Portable Multi Parameter Water Quality Checker</b>
Barometer Range: 375 to 825 mmHg
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Multi probe system: simultaneously measures dissolved oxygen (DO), specific conductance, pH, salinity, conductivity, temperature, ORP, ph/ORP combi, ammonium nitrate, chloride, Total Dissolved Solids(TDS) & barometer.
Cable Options: Standard lengths of 1, 4, 10, 20 or 30 meters with single port, dual port
Memory: 5000 datasets



Power: 2 alkaline C-cells provide 80 continuous hours at ambient temperature without backlight; USB power or optional wall power can be supplied via micro-USB port
Dimensions: 8.3 cm width x 21.6 cm length x 2.3 cm depth
USB: Built-in micro-USB port for on-the-go data exports via direct connection to the included USB stick; user-upgradeable firmware via USB and website
Waterproof: IP-67 (even with battery cover off); floats
Weight: 475 grams (1.05 lbs.) with batteries
Inclusion:
4M cable (Cond/Temp/TDS/Salinity Sensor) <b>(Minimum of 10 meters rugged type)</b>
pH Sensor, DO Sensor
1 SET Conductivity Standard
1 SET pH4 Buffer solution <b>(475 ml solution)</b>
1 SET pH7 Buffer solution <b>(475 ml solution)</b>
1 SET pH10 Buffer solution <b>(475 ml solution)</b>
Conductivity std
Hard Case
Training on Initial instruments installation, commissioning and initial operation.
1 year warranty on parts and services
Delivery period: 180 days
please quote by item
If the item has expiration, the date of expiration should be greater than 1 year upon delivery

#### IV. SECTION I, INVITATION TO BID

##### FROM

PR No.	Lot No.	Description	Approved Budget for the Contract (ABC) (Php)	Bidding Documents Fee (Php)
23-01-24	1	<b>Compound Microscope with Documentation System</b> (1 Unit of Compound Microscope, 1 Unit of Documentation System (Camera), 1 Unit of C-mount Adaptor, and 1 Unit of Documentation System (Laptop).	900,000.00	1,000.00



	2	<b>Semi-Micro Analytical Balance</b>	240,000.00	500.00
	3	<b>Micropipette Set</b> (2 Units of Micropipette, 10-100 $\mu$ L, 2 Units of Micropipette, 20-200 $\mu$ L, and 2 Units of Micropipette, 100-1000 $\mu$ L)	100,000.00	500.00
	4	<b>Field Colorimeter with IP67 Rating</b>	95,000.00	500.00
	5	<b>Portable Multi Parameter Water Quality Checker</b> (3 Units)	1,125,000.00	500.00
			<b>2,460,000.00</b>	

**TO**

PR No.	Lot No.	Description	Approved Budget for the Contract (ABC) (Php)	Bidding Documents Fee (Php)
23-01-24	1	<b>Compound Microscope with Documentation System</b> (1 Unit of Compound Microscope, 1 Unit of Documentation System (Camera), 1 Unit of C-mount Adaptor, and 1 Unit of Documentation System (Laptop).	900,000.00	1,000.00
	2	<b>Semi-Micro Analytical Balance</b>	240,000.00	500.00
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	4	<b>Field Colorimeter with IP67 Rating</b>	95,000.00	500.00
	5	<b>Portable Multi Parameter Water Quality Checker</b> (3 Units)	1,125,000.00	<b>5,000.00</b>
			<b>2,460,000.00</b>	



**NOTE:** *The price amount for the list of supplies should be indicated to the Bid proposal documents to be submitted on bid opening February 21, 2022 (Tuesday) not later than 8:30 am.*

**\*\*\*\*nothing follows\*\*\*\***

All other portions of the Bidding Documents affected by these amendments shall be made to conform the same.

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

The changes made in the Philippine Bidding Documents (6<sup>th</sup> Edition, July 2020) are deemed integrated in terms and conditions for this project.

For further inquiries, please coordinate/call the Bids and Awards Committee Secretariat at Tel. No. 8332-4661.

Please be guided accordingly.

***Original Document Signed***

**ATTY. MICHAEL S. ANDAYOG**

Chairman, Bids and Awards Committee