



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 01

April 11 , 2022

SUBJECT : Bid Reference 2022-13 entitled “SUPPLY AND DELIVERY OF VARIOUS DIVING EQUIPMENT FOR THE CONDUCT OF UNDERWATER ASSESSMENT TO BFAR-NMC PANABO, DAVAO DEL-NORTE.”

This Supplemental Bid Bulletin no. 1 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 April 05, 2022, 09:00 a.m. to wit:

• **SECTION VI – SCHEDULE OF REQUIREMENTS**

FROM	TO
Within thirty-five (35) working days upon receipt of the Notice to Proceed.	Within sixty (60) working days upon receipt of the Notice to Proceed.
The equipment shall be delivered at BFAR-National Mariculture Center, Coastal Road, Brgy. Cagangohan, Panabo City, Davao del Norte.	The equipment shall be delivered at BFAR-National Mariculture Center, Coastal Road, Brgy. Cagangohan, Panabo City, Davao del Norte.

• **SECTION VI – TECHNICAL SPECIFICATIONS**

FROM	TO
<p>Item no. 1: Dive Computer – 5 units</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of dive computer</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Temperature Range : -10°C to +50°C</p> <p>B. Water resistant : 20ATM/293psi</p> <p>C. Battery duration : 200-300 dives over a three-year time span</p> <p>D. Nitrox Use : EAN 21% - 99%</p> <p>E. Displayed Depth : 150m/492ft (maximum)</p>	<p>Item no. 1: Dive Computer – 5 units</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of dive computer</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Temperature Range : 0°C to 50°C</p> <p>B. Water resistant : up to 180 ft.</p> <p>C. Battery duration : 200-300 dives</p> <p>D. Displayed Depth : 60m/180ft (maximum)</p> <p>E. Memory Capacity : 40hr (minimum)</p>

<p>F. Memory Capacity : 40hr (maximum)</p> <p>G. Logbook memory : 35 hours of dive at 5-second sampling rate (maximum)</p> <p>H. Profile Sampling Rate : 5s</p> <p>I. Diagonal display : 31mm</p> <p>J. Display : Segment display</p> <p>K. Display material : Mineral glass</p> <p>L. Ascent Rate Indicator : Yes</p> <p>M. Depth sensor : Yes</p> <p>N. Gas switching : Yes</p> <p>O. Stopwatch : Yes</p> <p>P. Watch : Yes</p> <p>Q. Dual time : Yes</p> <p>R. Daily Alarm : Yes</p> <p>S. Plan Mode : Yes</p> <p>T. Fresh & seawater settings : Yes</p> <p>U. Residues nitro reset : Yes</p> <p>V. Option to include audible alarms : Yes</p> <p>W. Altitude adjustment : Yes</p> <p>X. Upgradable software : Yes</p> <p>Y. Clock : Quartz clock (time, date, dive time display up to 999)</p> <p>Z. Color : Red, Gray, Black</p>	<p>F. Logbook memory : 35 hours of dive at 5 to 10 seconds sampling rate (minimum)</p> <p>G. Profile Sampling Rate : 5 to 10 seconds</p> <p>H. Diagonal display : 30mm to 35mm</p> <p>I. Display : Segment display</p> <p>J. Display material : Mineral glass</p> <p>K. Ascent Rate Indicator : Yes</p> <p>L. Depth sensor : Yes</p> <p>M. Gas switching : Yes</p> <p>N. Stopwatch : Yes</p> <p>O. Watch : Yes</p> <p>P. Dual time : Yes</p> <p>Q. Daily Alarm : Yes</p> <p>R. Plan Mode : Yes</p> <p>S. Fresh & seawater settings : Yes</p> <p>T. Residues nitro reset : Yes</p> <p>U. Option to include audible alarms : Yes</p> <p>V. Altitude adjustment : Yes</p> <p>W. Upgradable software : Yes</p> <p>X. Clock : Quartz clock (time, date, dive time display up to 999)</p> <p>Y. Color : Any color available</p>
<p>Item no. 2: Hard protector case – 1 pc</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of hard protector case</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Dimension</p> <p>Interior : 16.75x11.18x6.12 in (maximum)</p> <p>Exterior : 18.50x14.06x6.93 in (maximum)</p> <p>B. Measurements</p> <p>Lid depth : 1.81" (maximum)</p> <p>Bottom depth : 4.31" (maximum)</p> <p>Total depth : 6.12"</p> <p>Int volume : 0.66 cu. ft. (maximum)</p>	<p>Item no. 2: Hard protector case – 1 pc</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of hard protector case</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Dimension</p> <p>Interior (minimum) : 14.66 x 10.24 x 6.12 in (37.2 x 26 x 15.5cm)</p> <p>Interior (maximum) : 16.75 x 11.18 x 6.12 in (42.5 x 28.4 x 15.5 cm)</p> <p>Exterior (minimum) : 16.44 x13.00 x 6.82 in (41.8 x 33.00 x 17.3 cm)</p> <p>Exterior (maximum) : 18.50 x 14.06 x 6.93 in 35.7 x 17.6 cm)</p> <p>B. Measurements</p> <p>Lid depth : 1.75" - 1.81" (4.4 – 4.6 cm)</p> <p>Bottom depth : 4.31" 4.37" (10.9 – 11.1 cm)</p> <p>Total depth : 6.12" (15.5 cm)</p> <p>Int volume : 0.53 - 0.66 cu. ft.</p>

<p>Padlock hole diameter: 5/16"</p> <p>C. Weights Weight with foam : 7.94 lbs (maximum) Weight empty : 7.13lbs (maximum) Bouyancy : 50.00lbs (maximum)</p> <p>1. Materials Body material : Polypropylene Latch material : ABS O-ring material : Polymer Pins material : Stainless steel Foam material : 1.3lb polyurethane Purge body material : ABS Purge vent material : 3 micron hydrophobic non-woven</p> <p>2. Temperature Min. temperature : -40°C Max. temperature : 99°C</p> <p>3. Convoluted lid foam : Yes 4. O-ring seal : Yes 5. Color : Green 6. Waterlight, crushproof, dustproof 7. With rubber over-molded handle 8. With easy open double throw latches 9. With automatic pressure equalization valve</p>	<p>Padlock hole diameter: 5/16"</p> <p>C. Weights Weight with foam : 6.38 - 7.94 lbs (2.9 - 3.6 kgs) Weight empty : 5.51 - 7.13lbs (2.5 - 3.2 kgs) Bouyancy : 30.00 - 50.00lbs (13.6 - 22.7 kgs)</p> <p>1. Materials Body material : Polypropylene Latch material : ABS O-ring material : Polymer Pins material : Stainless steel Foam material : 1.3lb polyurethane Purge body material : ABS Purge vent material : 3 micron hydrophobic non-woven</p> <p>2. Temperature Min. temperature : -40°C Max. temperature : 99°C</p> <p>3. Convoluted lid foam : Yes 4. O-ring seal : Yes 5. Color : Any color 6. Waterlight, crushproof, dustproof 7. With rubber over-molded handle 8. With easy open double throw latches 9. With automatic pressure equalization valve</p>
<p>Item no. 3: Regulator, Octopus-type - 19 pcs</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of regulator B. Provision of one (1) year warranty on parts and services C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Octopus-type B. First stage regulator : diaphragm; balanced Coupling : yoke valve or A-clamp fitting C. Second stage regulator: compact, with alternative air sources</p>	<p>Item no. 3: Regulator, Octopus-type-19 pcs</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of regulator B. Provision of one (1) year warranty on parts and services C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Octopus-type with gauge B. First stage regulator : diaphragm; balanced Coupling : yoke valve or A-clamp fitting C. Second stage regulator: compact, with alternative air sources</p>
<p>Item no. 4: Dive tank - 19 tank</p>	<p>Item no. 4: Dive tank - 19 tank</p>

<p>i. Scope of Work</p> <p>A. Supply and delivery of dive tanks B. Provision of one (1) year warranty on parts and services C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Material : Steel alloy B. Working pressure: 200 bars/3000psi (maximum)</p>	<p>i. Scope of Work</p> <p>A. Supply and delivery of dive tanks B. Provision of one (1) year warranty on parts and services C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A. Material : Alluminum B. Working pressure: 200 bars/3000psi (maximum)</p>
<p>Item no. 5: Scuba portable air compressor – 1 unit</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of Scuba Portable Air Compressor B. Provision of services on instrument installation, commissioning, and initial operation C. Provision of on-site training D. Provision of one (1) year warranty on parts and services E. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A small and lightweight apparatus that can provide compressed air, removes oil, vapor and other contaminants by filters and separators.</p> <p>A. Dimension. : 375mmx225mmx385mm (maximum) B. Volume : 605x380x420mm (maximum) C. Net Weight : not more than 40 kg D. Gross Weight : not more than 45 kg E. Working Pressure : 0-300 bar/0-30 MPA/0-4500 psi F. Inflating Speed : 2300 r/min (maximum) G. Power rating : 2.2KW H. Voltage : 220V I. Lubrication Method : Splash type J. Pressure : High pressure K. Transmission : Belt drive L. Power source : Direct current/electric M. Material : Stainless steel</p>	<p>Item no. 5: Scuba portable air compressor – 1 unit</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of Scuba Portable Air Compressor B. Provision of services on instrument installation, commissioning, and initial operation C. Provision of on-site training D. Provision of one (1) year warranty on parts and services E. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p>A small and lightweight apparatus that can provide compressed air, removes oil, vapor and other contaminants by filters and separators.</p> <p>A. Dimension : 375-390mmx225-240mmx385-400mm B. Volume : 605x380x420mm (maximum) C. Net Weight : 40 – 45 kgs D. Gross Weight : not more than 45 kg E. Working Pressure : 0-300 bar/0-30 MPA/0-4500 psi F. Inflating Speed : 2300 r/min or 0-200 bar per 20 min G. Power rating : 2.2KW H. Voltage : 220V I. Lubrication Method : Splash type J. Pressure : High pressure K. Transmission : Belt drive L. Power source : Alternate Source</p>

<p>N. Structure : Multistage pump; 2 stage electric</p> <p>O. With high-pressure safety valve, oil level indicator, and cooling fan</p>	<p>current/electric</p> <p>M. Material : Stainless steel</p> <p>N. Structure : Multistage pump; 2 stage electric</p> <p>O. With high-pressure safety valve, oil level indicator, and cooling fan</p>
<p>Item no. 6: Underwater camera – 2 units</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of underwater camera with waterproof housing</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p><u>Underwater Camera</u></p> <p>A. Body type : Compact</p> <p>B. Resolution : 4608x3456 (maximum)</p> <p>C. Effective pixels : 16 to 24 megapixels</p> <p>D. Sensor size : 1/ 2.3” (6.17x4.55mm)</p> <p>E. Sensor type : BSI-CMOS</p> <p>F. ISO : Auto, 100-6400</p> <p>G. Focal length : 25-100mm</p> <p>H. Aperture : F 2-4.9 (maximum)</p> <p>I. Articulated LCD : Fixed</p> <p>J. Screen size : 3 - 4”</p> <p>K. Screen Dots : 460,000</p> <p>L. Shutter speed : 1/2000 sec (maximum)</p> <p>M. Format : H.264, Motion JPEG</p> <p>N. Storage types : microSD, Internal memory</p> <p>O. USB : USB 2.0</p> <p>P. Weight (with battery): 247 grams (maximum)</p> <p>Q. Dimension : 112x66x31mm (maximum)</p> <p>R. GPS : Built-in</p> <p>S. Compact, shockproof, and waterproof</p> <p>Underwater camera housing</p> <p>A. Depth Range : up to 200 feet</p> <p>B. Control type : mechanical</p>	<p>Item no. 6: Underwater camera – 2 units</p> <p>i. Scope of Work</p> <p>A. Supply and delivery of underwater camera with waterproof housing</p> <p>B. Provision of one (1) year warranty on parts and services</p> <p>C. Issuance of Delivery and Official Receipt</p> <p>ii. Comply with requirements/specifications set by BFAR-NMC in its purchase request, as follows:</p> <p><u>Underwater Camera</u></p> <p>1. Resolution : 4000 x 3000 (minimum) 4608x3456 (maximum)</p> <p>2. Effective pixels : 12 to 24 megapixels</p> <p>3. ISO : Auto, 100-12800</p> <p>4. Focal length : 25-100mm</p> <p>5. Aperture : F2-4.9 (maximum)</p> <p>6. Optical Zoom : 4x</p> <p>7. Screen size : 3 - 4”</p> <p>8. Screen Dots : 460,000 - 1,040,000</p> <p>9. Shutter speed : 4 sec (minimum) 1/2000 sec (maximum)</p> <p>10. Weight (with battery): 247-253 grams (0.54 - 0.56 lbs)</p> <p>11. Dimension : Min - 112x66x31mm (4.41x2.6x1.22”) : Max - 113x66x32mm (4.45x2.6x1.26”)</p> <p>12. Waterproof : up to 180 feet</p> <p>13. Format : Motion JPEG</p> <p>14. Storage types : microSD, Internal memory</p> <p>15. Connectivity : USB 2.0</p> <p>16. Body type : Compact</p> <p>17. LCD : Fixed</p> <p>18. GPS : Built-in</p> <p>19. Battery : rechargeable Li-Ion battery</p> <p>20. Color : Any color available</p> <p>21. Compact, shockproof, and waterproof</p> <p>22. With USB cable for charging & computer connection</p> <p>Underwater camera housing</p> <p>1. Depth Range : up to 180 feet</p> <p>2. Control type : mechanical</p> <p>3. Controls : provides access to all camera functions</p>

<p>C. Controls : provides access to all camera functions</p> <p>D. Construction : polycarbonate body with multi-coated lens port</p> <p>E. Lens port : flat front element; screw mount accepts optional macro and wide-angle conversion lenses</p> <p>F. Buoyancy : Neutral</p> <p>G. Internal flash usable : Uses camera's built-in flash</p>	<p>4. Construction : polycarbonate body with multi-coated lens port</p> <p>5. Buoyancy : Neutral</p> <p>6. Internal flash usable : Uses camera's built-in flash</p> <p>7. Color : Any available color</p>
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*****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 (6th 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.

SGD. ATTY. DEMOSTHENES R. ESCOTO
Chairman, Bids and Awards Committee