



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

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NOTICE OF AWARD

Navnautics Phils. Inc.

G/F Josefa Annex Bldg.
1323 M. Naval St., Brgy. San Roque
Navotas City
info@navnauticsphilsinc.com
Telephone No. 632-8374 3279

Bid Reference No. 2023-10A (Re-Bidding) entitled "PROCUREMENT OF ELECTRO-HYDRAULIC STEERING GEAR SYSTEM, AND AUXILIARY MACHINERIES OF PATROL VESSELS".

We are pleased to notify you that the contract for the above Project is hereby awarded to your firm as the **Single Calculated and Responsive Bidder (SCRB)** and compliant with the Technical Specifications required by the end-user at Contract Price specified in the attached summary.

You are therefore required, within **ten (10)** days from the receipt of this Notice of Award, to formally enter into a contract with us, and to submit the *Performance Security* in the form and the amount stipulated in the Instructions to Bidders.

Failure to enter into the said contract or provide the Performance Security shall constitute a sufficient ground for cancellation of this award and forfeiture of your Bid Security.

Very truly yours,

ATTY. DEMOSTHENES R. ESCOTO
Head of Procuring Entity
Director, BFAR

I acknowledge receipt of this Notice of Award on the date indicated below:

Signature of Bidder's Authorized Representative: _____

Name of Bidder's Authorized Representative: Edijer T. Buanay

Date: 6-14-2023

ANNEX TO NOTICE OF AWARD

SUMMARY OF ITEMS TO BE AWARDED TO:
NAVNAUTICS PHILS. INC.

BID REFERENCE NO.: **2023-10A (Re-Bidding)**

**“PROCUREMENT OF ELECTRO-HYDRAULIC STEERING
GEAR SYSTEM, AND AUXILIARY MACHINERIES OF
PATROL VESSELS”**

PR NO.	LOT NO.	DESCRIPTION	APPROVED BUDGET FOR THE CONTRACT (ABC) (PHP)	CONTRACT PRICE (PHP)
23-01-49	1	SUPPLY, DELIVERY AND INSTALLATION OF ELECTRO-HYDRAULIC STEERING GEAR SYSTEM INCLUDING ACCESSORIES OF FOLLOW-UP REMOTE CONTROL, AUTOPILOT, RUDDER FEEDBACK, AND MAGNETIC COMPASS FOR FOUR (4) UNITS OF 30 METERS PATROL VESSELS.	₱ 7,800,000.00	₱ 7,727,011.00
23-01-51	3	SUPPLY AND DELIVERY OF PUMPS FOR AUXILIARY MACHINERIES FOR FOURTEEN (14) UNITS OF MCS PATROL VESSELS, TWO (2) UNITS OF MMOV, AND ONE (1) UNIT FV TAMBAKOL.	₱ 2,600,000.00	₱ 2,573,971.44

TECHNICAL SPECIFICATION
ITEM DESCRIPTION

LOT NO. 1: SUPPLY, DELIVERY, AND INSTALLATION OF ELECTRO-HYDRAULIC STEERING GEAR SYSTEM INCLUDING ACCESSORIES OF FOLLOW-UP REMOTE CONTROL, AUTOPILOT, RUDDER FEEDBACK, AND MAGNETIC COMPASS FOR FOUR (4) UNITS OF 30 METERS PATROL VESSEL.

Item No.	Quantity	Unit	Item Description
1	4	lot	<p>ELECTRO- HYDRAULIC STEERING GEAR with Additional Steering Wheel</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Torque: 12 kN-m ➤ Number of Rudder Blades: Double Rudder ➤ Steering Time: 15 Seconds
2	4	lot	<p>AUTOPILOT CONTROLLER</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Network Load: 244 mA max (Single Connection, powered by Network) ➤ Power Consumption @13.5V: <ul style="list-style-type: none"> ➤ Key backlight off = 1.62W (0.12A) ➤ Key backlight max = 2.97W (0.22A) ➤ Dimensions: Steering System x 115mm x 56mm ➤ Weight: 0.51kg (1.13lb) w/o mounting bracket and sun cover ➤ Material: Plastic front & Rear, anodized aluminum rotary controller ➤ Colour: Black ➤ Key Material: Silicone Rubber ➤ Compass Safe Distance: 0.4m ➤ Size Display: 4.1" (Diagonal) 4:3 Aspect ration ➤ Type: Transmissive TFT-LCD. White LED backlight ➤ Bonded: Yes, Fog Free, 170° viewing angle ➤ Resolution: 320 x 240 pixels ➤ Illumination: White for day mode. Red, green, blue, white or yellow for night mode ➤ NMEA2000 connectivity
3	4	lot	<p>AUTOPILOT MAIN COMPUTER</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Local Supply: 12/24V DC ➤ Consumption Local Supply: 100/65 mA at 12/24V DC + load of connected (motor, solenoid, clutch, etc.) ➤ Weight: 1kg (2.2lbs) ➤ Size: 211mm x 60mm x 180mm ➤ Mounting: Bulkhead ➤ Compass Safe Distance: 1m ➤ Material: Plastic front and anodized aluminum back

			<ul style="list-style-type: none"> ➤ Colour: Black ➤ Cable Inlet: Slots: 9 x 95mm and 18 x 45mm (0.4" x 3.7" and 0.7" x 1.8") ➤ Reversible Motor Control of Rudder/Thruster: Max continuous load 30A, peak 50A for 1 sec\ ➤ On/Off Solenoid Control of Rudder/ Thruster: 12/24 V DC, common load range 10 mA to 10A. (off state <1 mA) ➤ "Engage" output for bypass/clutch: 12/24 V DC, min 10 mA, max 3 A ➤ Rudder angle, frequency input: 15V (out), 1.4 to 5 kHz, resol. 20 Hz/°, 3.4KHz, ➤ NFU port/stbd input and mode indicator output: External open/close contact, common ret. Contact current max 30 mA ➤ Mode input: External open/close contact, common ret, close to activate, contact current max 30 mA ➤ External alarm output for buzzer/relay: Max 100 mA, voltage level as local supply
4	4	lot	<p>RUDDER FEEDBACK</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Dimensions: 15 x 4 x 3 inches ➤ Weight: 1 Pounds ➤ Material: Plastic ➤ Included Components: 10m Cable, FEEDBACK W/10M CBL&LINK
5	4	lot	<p>MAGNETIC COMPASS</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Compass Safe: 500mm (1.7") ➤ Dimensions: 36 x 119 x 119m ➤ Mounting Type: Bracket, Bulkhead ➤ Weight: 0,165kg + 0,130kg (bracket) ➤ Power Consumption Max: 0.4kW ➤ Supply Voltage: 12V DC (8 - 16 DC) via NMEA2000 ➤ Heading Sensors: +/-2° after calibration ➤ Heading Sensor Data Available - Magnetic heading, rate of turn, pitch/roll, heave
6	4	lot	<p>FOLLOW UP REMOTE UNIT WITH DISPLAY FOR BRIDGE AND FLYBRIDGE</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> ➤ Hand steering, moves to the commanded angle set by turning the lever to port or starboard ➤ IPx6 rating ➤ Display: 2" Monochrome ➤ Screen Resolution: 128 x 64 ➤ Weight: 0.5 Kg ➤ Compatibility: NMEA 2000 only

Delivery Period : **within 30 days** upon the receipt of the Notice to Proceed (NTP)
 Place of Delivery : **Sangley Point, Cavite**

LOT NO. 3: SUPPLY AND DELIVERY OF PUMPS FOR AUXILIARY MACHINERIES FOR FOURTEEN (14) UNITS OF MCS PATROL VESSEL, TWO (2) UNITS OF MMOV, AND ONE (1) UNIT FV TAMBAKOL.

Item No.	Quantity	Unit	Item Description
1	12	pcs	Discharge Pump (Macerator j37041) Voltage: 24V DC Current: 6 Amps Diameter Inlet: 1/2 inch, Diameter Outlet: 1 inch
2	16	pcs	Condensing Pump Power: 1.5 HP Voltage: 220 V Current: 5.8 Amps RPM: 3,450 Frequency: 60 Hz
3	24	pcs	BILGE Submersible Pump Voltage: 24V DC Current: 9 Amps Volume flow rate: 2,000 Gallons per Hour Diameter Outlet: 1 inch
4	12	pcs	Discharge Pump (Macerator 139204) Voltage: 24V DC Current: 9 Amps Current Fuse: 15 Amps
5	2	pcs	Sea Water Pump for ACU Power: 5.5 HP Voltage: 440 V RPM: 3,450 Frequency: 60 Hz
6	2	pcs	Air Circulating Pump for ACU Power: 5.5 HP Voltage: 440 V RPM: 3,450 Frequency: 60 Hz
7	2	pcs	Grey Water Pump Power: 3 HP Voltage: 440 V RPM: 1,750 Frequency: 60 Hz
8	2	pcs	Black Water Discharge Pump Power: 5.4 HP Voltage: 440V RPM: 3,550 Frequency: 60 Hz

9	4	pcs	Freezer Pump Power: 1.5 HP Voltage: 440 V Phase: 3 Frequency: 60 Hz Volume Flow Rate: 20 – 80 Liters per Minute
10	2	pcs	Main Fuel Transfer Pump Power: 10HP Voltage: 440 V Frequency: 60 Hz
11	2	pcs	Emergency Fuel Transfer Pump Power: 3HP Voltage: 440 V Frequency: 60 Hz
12	2	pcs	Emergency Bilge Pump Power: 10HP Voltage: 440 V RPM: 1,750 Frequency: 60 Hz
13	4	pcs	Fresh Water Pump Power: 4 HP Voltage: 440 V RPM: 3,490 Frequency: 60

Delivery Period : **within 45 days** upon the receipt of the Notice to Proceed (NTP)
Place of Delivery : **Sangley Point, Cavite**

******NOTHING FOLLOWS******