

**CONTRACT**  
**No. 2022-136**



**SUPPLY AND DELIVERY OF 6 UNITS WATER QUALITY MULTI-PARAMETER CHECKERS (HANDHELD EQUIPMENT)**

KNOW ALL MEN BY THESE PRESENTS:

This CONTRACT made and executed this NOV 11 2022 in Quezon City by and between:

The **BIODIVERSITY MANAGEMENT BUREAU**, a staff Bureau under the DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR), with principal office at Ninoy Aquino Parks and Wildlife Center, Quezon Avenue, Diliman, Quezon City represented by its OIC, Director, **NATIVIDAD Y. BERNARDINO**, hereinafter referred to as the "**BMB**";

- and -

**EESI MATERIAL AND CONTROLS CORPORATION** with business address at 124 A.N. Manapat St., Arayat, Pampanga represented by its Sales and Application Engineer, **MS. APRIL JOY L BELVESTRE**, Filipino, of legal age and with the same office address and hereinafter referred to as the "**SUPPLIER**".

WITNESSETH:

WHEREAS, **BMB** posted an Invitation to Bid for the "**Supply and Delivery of 6 Units Water Quality Multi-Parameter Checkers (Handheld Equipment)**" in the Philippine Government Electronic Procurement System (Phil-GEPS), BMB Website and Bulletin Board with an Approved Budget for the Contract of **P3,000,000.00**;

WHEREAS, in the opening of bids conducted last October 12, 2022, two (2) bidders purchased bid documents and submitted bid proposals, namely:

1. EESI Material and Controls Corporation
2. Sea and Land Technologies (Philippines) Inc.

WHEREAS, after careful review and evaluation of the bid proposals and post-qualification procedure, the **SUPPLIER** was found to be responsive and was declared as the Lowest Calculated and Responsive Bidder;

WHEREAS, the following documents shall be deemed to form and be read and construed as part of this agreement:

- a. Certificate of Availability of Funds
- b. Notice of Post-Qualification
- c. BAC Resolution
- d. Notice of Award
- e. Notice to Proceed
- f. Performance Bond

*W*

*April Joy L. Belvestre*

*Natividad Y. Bernardino*

*MS. APRIL JOY L. BELVESTRE*

## ARTICLE I - SCOPE OF WORK

The **SUPPLIER** shall be responsible for the Supply *and delivery of 6 units Water Quality Multi-Parameter Checker (Handheld Equipment) HORIBA U-53G*

### **SPECIFICATIONS: (Water Quality Checker)**

#### **Package complete as follows:**

Supplied with Galvanic, Polarographic, or Optical DO, pH, Temperature, Turbidity, Salinity, and Depth sensor, 10 meters tough cable and various accessories supplied in carrying case in IP67-rated waterproof carrying case

#### **Specifications and Features as follows:**

##### **Sensor Probe:**

Protection Class: IP68, JIS protection level 8, and other same level of protection class (permanent immersion)

Immersion Depth: 0-50 m

Operating Temperature: -20 °C-+70° C

##### **Control Display Unit specifications:**

Weight: Manufacturer's specification

Display: At least 80 characters and backlight LCD

Data Memory: 10,000 data sets

GPS Receiver: Manufacturer's specification

GPS Accuracy:  $\pm 2m - 10m$

Interface: USB (cable provided)

Power Supply: Manufacturer's specifications

Battery Life: Manufacturer's specifications

Ambient Temperature: -20°C to + 70°C

Protection Class: IP67, JIS protection level 7, and other same level of protection class

### **PARAMETER SPECIFICATIONS:**

**Dissolved Oxygen (DO)** Range : 0 - 50mg/L

Resolution: 0.01 mg/L

Accuracy: 0 to 20 mg/L:  $\pm 0.2$  mg/L 20 to 50 mg/L:  $\pm 0.5$  mg/L

**pH** Range:0-14 pH

Resolution: 0.01 pH

Accuracy:  $\pm 0.1$  pH

**Temperature** Range: -15°C - +70 °C

Resolution: 0.01°C - 0.1°C

Accuracy:  $\pm 0.5^\circ\text{C}$ , JIS class B platinum thermometer sensor, and other similar/better accuracy level

**Depth** Range: 0-60.00m

Resolution: 0.01-0.05m

Accuracy:  $\pm 0.2-1\%$  FS

**Turbidity** Range: 0-3000 NTU

Resolution: 2 auto-range scales: 0.0 99.9 NTU, 100-3000 NTU

Repeatability:  $\pm 3-5\%$  of reading

**Salinity** Range: 0 0-70.00 ppt

Resolution: 0.01-0.1 ppt

Accuracy:  $\pm 1-3$  ppt

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Handwritten signatures and initials in the bottom right corner.

BIODIVERSITY MANAGEMENT BUREAU

EESI MATERIAL AND CONTROLS CORPORATION

BY:

BY:

*[Signature]*  
NATIVIDAD Y. BERNARDINO  
OIC, Director

*[Signature]*  
APRIL JOY L. BELVESTRE  
Sales and Application Engineer

WITNESSED BY:

*[Signature]*  
ARMIDA P. ANDRES  
Chief, Coastal and Marine Division

*[Signature]*  
ANNIE ROSE M. DELWARAZ

FUNDS AVAILABLE:

*[Signature]*  
IZEL D. IBARDOLAZA  
Accountant II

OG- WWDI- 2022-10 - 2308- 310 20310770 km - SD CA 4050-14  
P 2,444,304.00



## ACKNOWLEDGEMENT

Republic of the Philippines)  
City of Quezon ) S.S.

**BEFORE ME**, a Notary Public for and in the above jurisdiction, personally appeared the following:


NAME	COMPETENT EVIDENCE OF IDENTITY	DATE/PLACE ISSUED
NATIVIDAD Y. BERNARDINO	DRIVER'S LICENSE: N25-05013964	MANILA 09/08/17
APRIL JOY L. BELVESTRE	DRIVER'S LICENSE : N01-20-053115	MANDALUYONG / 12/16/2020

Known to me to be the same persons who executed the foregoing instrument and acknowledged to me that the same is their own free will and voluntary act and deed.

This instrument consists of five (5) pages including this page wherein this Acknowledgement is written, and is signed by the parties and their instrumental witnesses on each and every page hereof.

**WITNESS MY HAND AND SEAL**, this NOV 16 day of 2022 in Quezon City, Philippines.

Doc. No. 75  
Page No. 15  
Book No. 90  
Series of 2022

  
**ATTY. ROSALINDA ADRIANO-MONTENEGRO**  
Notary Public  
My Commission expires on Dec. 31, 2023  
(As per BNI 3795)  
PTR nO. 2443144 - 01/03/2022 - Q.C.  
IBP OR No. 195704 - 01/04/2022 - Q.C.  
MCLE Compliance No. VI-005347 - 14 April 2022  
Unit 312 Bldg. 137 Malakas St.  
Brgy. Central, Quezon City