



RFQ Date: January 6th, 2025

To: Interested Suppliers

Subject: Fisheries monitoring equipment for Hurghada Egypt
PERSGA-2214-GO-RFQ

REQUEST FOR PRICE QUOTATION

Dear Sir/Madam

The Regional Organization for the Conservation of the Red Sea and Gulf of Aden (PERSGA) has received a grant from the International Development Association - **IDA Grant No. P178143** towards the cost of implementation of the **Sustainable Fishery Development in Red Sea and Gulf of Aden (SFISH) Project**, and intends to apply part of the proceeds of this grant to make eligible payments under the contract for which this announcement is being published.

Please provide price quotations for the following items.

Fisheries monitoring equipment to Egypt as detailed in the table “Fisheries monitoring equipment for Egypt

Subject to the Following Requirements:

1. **Delivery Location:** EMARSGA, Hurghada, Egypt
2. **Expected Delivery Date:** 75 days from the date of contract signing
3. **Type of Contract:** Unit Price
4. **Payment Conditions:** 15 days after successful delivery and installation
5. **Currency:** Prices can be quoted in USD or any transferable currency
6. **Warranty Period:** 12 months
7. **Prices:** Shall include all duties, taxes, transport, and installation
8. **Quotation Validity Period:** 60 days from the latest date for submission of the price quotation
9. **Submission Address:** Via email to sourcing@persga.org
10. **Latest Date for Submission of Quotation:** January 31, 2025
11. **Pre-offer Meeting:** N/A
12. **Pre-offer Site Visit:** N/A
13. **Specifications:** Refer to Annex A
14. **Alternative Quotations (Specifications):** Allowed
15. **Partial Quotation:** Allowed
16. **Partial Award:** Possible

Fisheries monitoring equipment for Hurghada, Egypt

No.	Item	Qty	Unit	Unit Price USD	Total Price USD
1	Temperature Logger (HOBO Water Temperature Pro v2 Data Logger)	50	Piece		
2	Communication kite (HOBO Optic USB Base Station)	2	Piece		
3	Required Software (HOBOware® Pro Version)	2	set		
4	Hand Held GPS (Garmin Montana 750i)	4	Piece		
5	Underwater Camera (Olympus OM-D E-M10 IV Camera with 14-42mm EZ Lens)	5	Piece		
6	Olympus BLS-50 Li-Ion Battery	5	Piece		
7	Olympus BCS-5 Battery Charger	5	Piece		
8	Underwater Housing (OPEN BOX DISPLAY Ikelite Olympus OM-D E-M10 III & E-M10 IV Underwater Housing 200DLM/A with MIL Dome Port & Zoom Gear for 14-42mm EZ lens)	5	Piece		
9	Diving Sets	5	Set		
10	Laptop computer	2	Set		
11	MULTI Parameter analyzer PH, conductivity, turbidity temperature dissolved oxygen	1	set		
12	Portable spectrophotometer for heavy metal analysis	1	set		
13	Examination microscope	2	Set		
14	Fish examination kits	2	Set		
15	Samples containers	2	Piece		

Sincerely,

Almahi Saeed ADAM
 Project Management Assistant
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Annex A: specifications		
	Item	Specifications
1	Temperature Logger (HOBO Water Temperature Pro v2 Data Logger)	<p>HOBO Water Temperature Pro v2 Data Logger: Operation range†: -40° to 70°C (-40° to 158°F) in air; maximum sustained temperature of 50°C (122°F) in water Accuracy: ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F) Resolution: 0.02°C at 25°C (0.04°F at 77°F) Response time: (90%) 5 minutes in water; 12 minutes in air moving 2 m/sec (typical) Stability (drift): 0.1°C (0.18°F) per year Real-time clock: ± 1 minute per month 0° to 50°C (32° to 122°F) Battery: 2/3 AA, 3.6 Volt Lithium, factory-replaceable ONLY Battery life (typical use): 6 years with 1 minute or greater logging interval Memory (non-volatile): 64K bytes memory (approx. 42,000 12-bit temperature measurements) Weight: 42 g (1.5 oz) Dimensions: 3.0 cm (1.19 in.) maximum diameter, 11.4 cm (4.5 in.) length; mounting hole 6.3 mm (0.25 inches) diameter Wetted materials: Polypropylene case, EPDM® o-rings, stainless steel retaining ring Buoyancy (fresh water): +13 g (0.5 oz.) in fresh water at 25°C (77°F); +17 g (0.6 oz.) with optional boot Waterproof: To 120 m (400 ft.) Shock/drop: 1.5 m (5 ft.) drop at 0°C to 70°C (32°F to 150°F) Logging interval: Fixed-rate or multiple logging intervals, with up to 8 user-defined logging intervals and durations; logging intervals from 1 second to 18 hours. Refer to HOBOWare software manual. Launch modes: Immediate start and delayed start Offload modes: Offload while logging; stop and offload Battery indication: Battery voltage can be viewed in status screen and optionally logged in datafile. Low battery indication in datafile. NIST certificate available: for additional charge Environmental Rating: IP68</p>
2	Communication kite (HOBO Optic USB Base Station)	<p>HOBO Optic USB Base Station: A splash-resistant base station and couplers used to offload data from any HOBO data logger with an Optic USB interface Operating temperatures range: 0 to 50°C (32 to 122°F) Cable length: 183 cm (6 ft.) Offload rate: Offloads full 64K logger in 30 seconds</p> <p>Weight without coupler: 138.6 g (4.9 oz) Weight with coupler: 154 g (5.4 oz)</p> <p>Dimensions without coupler: 18.1 x 5.08 cm (7.13 x 2.0 inches) Dimension with coupler: 20.96 x 5.6 cm (8.25 x 2.2 inches)</p>
3	Required Software	

	(HOBOWare® Pro Version)	<p>HOBOWare ® Pro for intuitive, powerful software tools that further enhance your data logging— from set-up to analysis: Support for all HOBO data loggers* Quickly generate presentation-quality graphs Copy & paste series Merge data files Save modified graphs as projects Easy data export to XLS, CSV & TXT files Linear & pulse scaling data assistants Multi-Language Support (English / Spanish / French / German / Polish / Portuguese / Japanese / Korean / Simplified Chinese / Traditional Chinese) Time-saving tools for fast setup, readout & export Data Assistants for Dissolved Oxygen, Conductivity, Water Level, Growing Degree Days, Grains per Pound & kWh</p> <p>Ability to create Pie Charts Crop a series to a specific time frame Subset Statistics Tool for details within a time frame 21 CFR Part 11 Compliance** Data Shuttle support HOBOnode Manager to support ZW Data Nodes***</p>
4	Hand Held GPS (Garmin Montana 750i)	<p>Montana® 750i: Rugged GPS Touchscreen Navigator with inReach® Technology and 8 Megapixel Camera PART NUMBER010-02347-00 LENS MATERIAL chemically strengthened glass DIMENSION 3.6" x 7.2" x 1.3" (9.19 x 18.30 x 3.27 cm) WEIGHT 14.5 oz (410 g) with included lithium-ion battery pack WATERPROOF IPX7 MIL-STD-810 yes (thermal, shock, water, vibe) TOUCHSCREEN DISPLAY TYPE WVGA transfective, dual orientation DISPLAY SIZE 2.55"W x 4.25"H (6.48 x 10.80 cm); 5" diag (12.70 cm) DISPLAY RESOLUTION 480 x 800 pixels BATTERY TYPE rechargeable lithium-ion (included) BATTERY LIFE GPS Mode: up to 18 hours GPS Mode, 10 min Tracking: up to 18 hours Expedition Mode: up to 330 hours Expedition Mode, 30 min Tracking: up to 300 hours</p> <p>MEMORY/HISTORY 16 GB (user space varies based on included mapping) INTERFACE high speed micro USB and NMEA 0183 compatible</p>
5	Underwater Camera (Olympus OM-D E-M10 IV Camera with 14-42mm EZ Lens)	<p>Olympus OM-D E-M10 IV Camera with 14-42mm EZ Lens: 20.3 Megapixel 5-Axis In-Body Image Stabilization Wi-Fi Easy Wireless Sharing 4K Ultra HD Video</p>

		Micro 4/3 Lens Mount Includes Olympus 14-42mm f/3.5-5.6 EZ ED M Lens
6	Olympus BLS-50 Li-Ion Battery	Olympus BLS-50 Li-Ion Battery
7	Olympus BCS-5 Battery Charger	Olympus BCS-5 Battery Charger (external)
8	Underwater Housing (OPEN BOX DISPLAY Ikelite Olympus OM-D E-M10 III & E-M10 IV Underwater Housing 200DLM/A with MIL Dome Port & Zoom Gear for 14-42mm EZ lens)	OPEN BOX DISPLAY Ikelite Olympus OM-D E-M10 III & E-M10 IV Underwater Housing 200DLM/A with MIL Dome Port & Zoom Gear for 14-42mm EZ lens: 200 ft (60m) depth rating DLM Type-A port mount Controls for all camera functions except Fn lever, preview button, and diopter adjustment dial Two 1/4-20 threaded tray mounts with 3" (76mm) spacing Slightly negative buoyancy in freshwater Actual buoyancy varies depending on the choice of lens and port 2.7 lbs (1238 g) 7.75 x 5.75 x 5.25" (197 x 146 x 133 mm) ABS-PC, acrylic, and acetal construction 2 year limited warranty
9	Diving Sets	Full diving set, Suite (3mm, 1pieces), Long sleeve BCD (integrated weight belt with stainless D ring steel), Boot, Fins (with strap), Regulator (balanced-piston first stage, resistance to freezing, Air-balanced flow-through piston, plated marine grade brass body, one high pressure gauge, one on each side of the body, Standard "smart" hose routing cap offers four low pressure ports angled (+/- 20°) for more convenient hose routing, 232bar INT, 2nd stage metal components provide increased resistance to freezing when diving in extreme water conditions, Air-balanced valve smoothes out the inhalation effort when diving at varying depths and supply pressures, High-flow exhaust valve reduces exhalation for better overall breathing comfort, Diver-adjustable inhalation effort knob fine-tunes air delivery to suit personal tastes, Octopus & Consol including depth gauge and compass), Mask + Snorkel, Belt (Stainless steel buckle), weights (4 pieces 2kg +2 pieces 1 kg each), Diving Computer diving bag.
10	Laptop computer	Processor: Intel Core i7 12 Gen. 12550 RAM: 16 GB Storage: 1 Tera Graphics: 2 Gigal Display: 15.6" Graphics: 2 Giga Display: 15.6" Heavy dirty with basic required accessories and case.

11	<p>MULTI Parameter analyzer PH, conductivity, turbidity temperature dissolved oxygen</p>	<p>Have smart probes have “plug-and-play” automatic parameter recognition Easy step-by-step illustrated calibration and troubleshooting procedures reduce errors Store up to 100,000 data points Option to select languages in setup mode IP67 rating with battery compartment installed GLP-compliant features include time, date, sample ID, operator ID, and calibration Meter Type pH, conductivity, TDS, salinity, DO, ORP, turbidity Min pH (pH)0 Max pH (pH)14 pH Resolution0.001/0.01/0.1 pH Accuracy Probe specific Buffer Recognition IUPAC, USA Calibration Up to 3 points Min mV (mV)-1200 Max mV (mV)1200 mV Resolution0.1 mV Min Conductivity0.01 μS/cm Max Conductivity212 mS/cm Conductivity Resolution0.01 μS/cm to 0.1 mS/cm upon selected measuring range Conductivity Accuracy Probe specific Min TDS0.01 g/L Max TDS50 g/L TDS Resolution0.01 mg/L up - 0.1 g/L (range dependent) TDS Accuracy Probe specific Min Salinity42 ppt or % Max Salinity0 ppt or % Salinity Resolution0.01 (range dependent) Salinity Accuracy Probe specific Min Dissolved Oxygen0.0 mg/L Max Dissolved Oxygen49 mg/L</p>
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		<p>Dissolved Oxygen Resolution 0.1 mg/L</p> <p>Dissolved Oxygen Accuracy Probe specific</p> <p>Min Temperature (° C) -10</p> <p>Max Temperature (° C) 110</p> <p>Temperature Resolution 0.1°C</p> <p>Temperature Accuracy Probe specific</p> <p>Output USB</p> <p>Data Logging (points)</p> <p>Memory Size 100,000 data points at least</p> <p>Waterproofness,</p> <p>Power (VAC) 100 to 240</p> <p>Power (Hz) 50/60</p> <p>Battery 1 rechargeable Lithium-ion (included)</p> <p>Warranty 3 year</p>
12	<p>Portable spectrophotometer</p> <p>For heavy metal analysis</p>	<p>Data Logger: 500 measured values (Result, Date, Time, Sample ID, User ID acc. to GLP) Detector: Silicon photodiode rechargeable Battery</p> <p>Operating Conditions: 10 - 40 °C (50 - 104 °F), max. 80 % relative humidity (non-condensing)</p> <p>Operating Humidity: Max. 80 % relative humidity (non-condensing)</p> <p>Operating Mode: Transmittance (%), Absorbance and Concentration Operating Temperature: 10 - 40 °C Optical System: Reference beam, spectral Photometric Accuracy: ± 0.003 Abs @ 0.0 - 0.5 Abs Photometric Linearity: < 0.5 % (0.5 - 2.0 Abs) Photometric Measuring Range: 0 - 3 Abs (wavelength range 340 - 800 nm) Power Module?: No Power supply: 4 x AA size Alkaline 4x NiMH rechargeable Battery* Power supply*: 110 - 240 V; 50/60 Hz</p> <p>Preprogrammed Methods: >220 Reproducibility: ± 0.005 Abs (0 - 1 A) Sample Cell Compatibility: 13 / 16 mm and 1 inch round adapter, 10 x 10 mm 1 inch square and 10x10mm</p> <p>Source Lamp: Xenon Flash Storage conditions: -30 - 60 °C (-22 - 140 °F), max. 80% relative humidity (non-condensing) Stray Light: < 0.5% T at 340 nm with NaNO₂ Temperature Range: 0 - 50 °C (32 - 122 °F)</p> <p>User Interface Languages: English,</p> <p>Warranty: 12 months Wavelength Accuracy: ± 2 nm (range 340 - 800nm) Wavelength Calibration: Automatic</p> <p>Wavelength Range: 340 - 800 nm Wavelength Reproducibility: ± 0.1 nm</p> <p>Wavelength Selection: Automatic</p> <p>matched glass sample cells, AA alkaline batteries 4/pk, and a four-type adapter set</p>
13	Examination microscope	High eye point WF10x and WF20x wide field eyepieces

		40X -5000X MAGNIFICATION Mechanical stage USP digital camera Illumination control
14	Fish examination kits	Dissection box tools
15	Samples containers	Specified plastic bottles and bags

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