



RFQ Date: January 6th, 2025

To: Interested Suppliers

Subject: Fisheries monitoring equipment for Aden, Yemen
PERSGA-2218-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 Yemen as detailed in the table “Fisheries monitoring equipment for Yemen

Subject to the Following Requirements:

1. **Delivery Location:** Aden, Yemen.
2. **Expected Delivery Date:** 75 days from the date of contract signing.
3. **Type of Contract:** Unit Price in USD
4. **Payment Conditions:** 30 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:** included
14. **Alternative Quotations (Specifications):** Allowed
15. **Partial Quotation:** Allowed
16. **Partial Award:** Possible

Fisheries monitoring equipment for Yemen

No	Item	Specifications	Qty	Unit	Unit Price USD	Total Price USD
1	Laptops	Processor: Intel Core i7 (12th Gen), RAM: 16GB, Storage: 1TB SSD, Screen: 15.6", Heavy duty with basic required accessories.	2	Piece		
2	Printers	Laser Printer: Print, Copy, Scan, USB/Wi-Fi Connectivity, Speed: 20 ppm black & white.	2	Piece		
3	VR goggles	3D Videos, Remote Control Included.	2	Piece		
4	Digital scales, anatomical	High precision, Weight limit: 400 pounds at least.	1	Piece		
5	microscope with display	High eye-point WF10x/WF20x wide field eyepieces, 40x–5000x magnification, mechanical stage, illumination control.	1	Piece		
6	Invert Scope for Phytoplankton chips with camera	Magnification: 10x–1,000x; Eyepieces: WF10x and WF20x; Illumination: LED with adjustable intensity; Camera: 5 MP, USB connection for data export	1	Piece		
7	Fish Scale Panel	Length: 1 meter or longer, marked in cm/mm, non-slip surface, foldable for portability.	2	Piece		
8	Tapes Measure	Length: 30–100 meters, fiberglass or steel tape, metric (cm/mm) or imperial (inches).	10	Piece		
9	Dissection kits	Stainless steel tools (scalpels, scissors, forceps, probes), case (roll-up or hard plastic).	2	Piece		
10	Phytoplankton nets	Mesh size: 20–200 microns, nylon/polyester material, frame diameter: 30–60 cm.	2	Piece		
11	Zooplankton nets	Mesh size: 20–200 microns, nylon/polyester material, frame diameter: 30–60 cm.	2	Piece		
12	Fishfinder	Dual Beam technology, transducer (200/455/800 kHz), sunlight-readable screen, power supply: 10–20 VDC.	1	Piece		
13	COD device for measuring chemical oxygen demand	Range: 0–15,000 mg/L; Accuracy: ±3%; Display: Digital LCD; Light Source: LED; Data Output: USB.	1	Piece		
14	BOD device for measuring biological oxygen demand	Range: 0–400 mg/L; Resolution: 0.1 mg/L; Measurement Method:	1	Piece		

		OxiTop or similar; Automatic Data Storage.				
15	Incineration furnace or incineration furnace with tools such as crucibles and others and incubators to measure moisture and dry matter	Temperature Range: Ambient to 1,200°C; Chamber Volume: 3–5 liters; Insulation: High-grade ceramic fiber.	1	Piece		
16	Freezers for preserving samples	Capacity: 14 ft ³ , temperature retention: 12–48 hours, material: hard plastic.	2	Piece		
17	Water distiller	Stainless steel material, automatic shut-off, capacity: 4–6 liters per cycle.	2	Piece		
18	Autoclave (sterilization unit)	Automatic temperature and pressure control, stainless steel, capacity: 20–100 liters.	2	Piece		
19	Centrifuge unit	Capacity: 6–12 tubes, adjustable speed (1000–5000 rpm), digital control panel.	2	Piece		
20	Sand sedimentation pipes for measuring sand particles.	Capacity: 50–100 mL, transparent material, marked graduations in milliliters.	10	Piece		
21	Sediment Grab	Van Veen type, volume: 3.14 liters, stainless steel material.	2	Piece		
22	Dredg net for epiofauna	Material: Stainless steel frame; Mesh Size: 500 microns; Frame Size: 50 x 30 cm; Handle: Detachable, aluminum alloy.	6	Piece		
23	pH-meter	Range: 0–14 pH, accuracy: ±0.01 pH, digital display with automatic temperature compensation.	2	Piece		
24	Oxygen meter	Range: 0–20 mg/L, accuracy: ±0.1 mg/L, galvanic or optical sensor, automatic temperature compensation.	2	Piece		
25	Fish finder device for depth determination by rays	Depth Range: 0–600 meters; Frequency: 200/455/800 kHz; Display: Sunlight-readable 5-inch LCD; Power: 12V DC	2	Piece		
26	Refractometer	Measurement Range: 0–100 Brix; Accuracy: ±0.1%; Display: Analog or Digital; Automatic Temperature Compensation.	2	Piece		
27	Water sampling bottles	Material: Polycarbonate; Volume: 2–5 liters; Type: Niskin or Van Dorn style with closing mechanism.	12	Piece		

28	Ice boxes	Capacity: 20–50 liters; Insulation: Polyurethane foam; Material: Hard plastic with rubber seal	2	Piece		
29	Conductivity TDS	Range: 0–200 mS/cm; Resolution: 0.01 mS/cm; Automatic Temperature Compensation: Yes; Display: Digital.	2			
30	TSS suspended solids measurement with all accessories	Range: 0–1,000 mg/L; Accuracy: $\pm 2\%$; Light Source: Infrared LED; Data Output: USB or Bluetooth.	2	Piece		
31	Salinity meter	Range: 0 to 50 PSU Accuracy: ± 0.1 PSU. Temperature Compensation: Automatic. Display: LCD or OLED. Calibration solutions	2	Piece		
32	CTD	Parameters: Conductivity, Temperature, Depth; Depth Range: 0–1,000 meters; Data Logging: 32 MB memory.	1	Piece		
33	Spectrophotometer double beam	Wavelength Range: 190–1,100 nm; Accuracy: ± 0.1 nm; Photometric Range: -3 to +3 Abs; Display: 7-inch color touchscreen; Data Storage: 32 GB.	1	Piece		
34	Temperature Logger (Water Temperature Pro v2 Data Logger)	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)	10			

		<p>Waterproof: To 120 m (400 ft.)</p> <p>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.</p> <p>Launch modes: Immediate start and delayed start</p> <p>Offload modes: Offload while logging; stop and offload</p> <p>Environmental Rating: IP68</p>				
35	Communication kite (Optic USB Base Station)	<p>Optic USB Base Station:</p> <p>A splash-resistant base station and couplers used to offload data from any HOBO data logger with an Optic USB interface</p> <p>Operating temperatures range: 0 to 50°C (32 to 122°F)</p> <p>Cable length: 183 cm (6 ft.)</p> <p>Offload rate: Offloads full 64K logger in 30 seconds</p>	1			
36	Temperature loggers Required Software	<p>Support for all data loggers</p> <p>Quickly generate presentation-quality graphs</p> <p>Copy & paste series</p> <p>Merge data files</p> <p>Save modified graphs as projects</p> <p>Easy data export to XLS, CSV & TXT files</p> <p>Linear & pulse scaling data assistants</p> <p>Multi-Language Support</p> <p>Data Assistants for Dissolved Oxygen, Conductivity, Water Level, Growing Degree Days, Grains per Pound & kWh</p> <p>Ability to create Pie Charts</p> <p>Crop a series to a specific time frame</p> <p>Subset Statistics Tool for details within a time frame</p> <p>Data Shuttle support</p>	1			
37	Turbidity meter	<p>Range: 0–1,000 NTU; Accuracy: ±2% or ±0.1 NTU; Light Source: Infrared LED; Data Output: USB and Bluetooth.</p>	2	Piece		
38	Advanced Thermal Fixed Night Cameras	<p>High-resolution imaging, thermal detection range: 500–1000 meters, weather-resistant.</p>	10	Piece		
39	Handheld GPS	<p>Water-resistant, floats in water, high-resolution color display, battery life: up to 20 hours in GPS mode.</p>	4	Piece		

40	Sediment sampling cores	Core Diameter: 5–10 cm; Core Length: 30–100 cm; Material: Stainless steel; Deployment Depth: Up to 2,000 meters.	10	Piece		
41	Sediment sieves and shaker set	Mesh sizes: 63 microns to 2 mm, stackable design, stainless steel material.	1	Piece		
42	Dryer Oven	Temperature range: Ambient to 250°C, capacity: 20–100 liters, stainless steel interior.	2	Piece		
43	Sectional measuring tape	Length: 50–100 meters; Material: Fiberglass; Markings: Metric (cm/mm) and imperial (inches).	2	Piece		
44	Complete diving sets	<ul style="list-style-type: none"> - Regulator: First Stage: Reliable, high flow rate, suitable for extreme and cold-water dives. Second Stage: VAD system for easy breathing, optimized for water flow, great for cold conditions. - Octopus: Coated for durability, VAD system for smooth breathing, optimized water flow. - Instrument Console: Includes pressure gauge, depth gauge, and compass. Easy to read, shockproof, and modular. - BCD: Air trim technology for easy buoyancy control. Comfortable, customizable, and durable. - Wetsuit: Ultra stretch neoprene, designed for comfort and fit, with water-resistant features. - Fins: Ergonomic design for efficient thrust, with a soft foot pocket and adjustable straps. - Mask: Comfortable fit, hydrodynamic design, easy strap adjustments. - Weight Belt: Stainless Steel Buckle, Quick-release buckle, durable strap for secure buoyancy control. - Dive Boots: 5mm neoprene with rubber sole, easy to wear and dry, comfortable for long distances 	4	Piece		

45	Air compressor for diving cylinders	Max Pressure: 300 bar (4,350 psi); Flow Rate: 400 L/min; Ports: 3 filling stations; Filtration System: Advanced for clean air.	1	Piece		
46	Diving cylinders	Capacity: 10–15 liters, made of corrosion-resistant material, rated for depths of up to 40 meters.	10	Piece		
47	Diver's computer - watch	High-contrast color screen, rechargeable battery (20–40 hours dive time), tilt-compensated 3D compass.	4	Piece		
48	Underwater Camera (Olympus OM-D E-M10 IV Camera with 14-42mm EZ Lens)	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 Micro 4/3 Lens Mount Includes Olympus 14-42mm f/3.5-5.6 EZ ED M Lens	2	Piece		
49	Olympus BLS-50 Li-Ion Battery	Olympus BLS-50 Li-Ion Battery	4			
50	Olympus BCS-5 Battery Charger	Olympus BCS-5 Battery Charger (external)	2			
51	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	2			
52	Lifting bags (lifting up to 100 kg)	Capacity: Up to 100 kg, durable material with secure straps.	4	Piece		

53	Calipers	Range: 0–200 mm; Accuracy: ± 0.02 mm; Material: Stainless steel; Display: Digital with metric and imperial units.	2	Piece		
54	Saltwater-resistant spring scale	Capacity: 5–50 kg; Accuracy: $\pm 1\%$ of full scale; Material: Stainless steel; Dual-Scale: Metric and imperial units.	2	Piece		
55	Titanium markers + tag rod	Material: Medical-grade titanium; Length: 10–15 cm; Tag Rod Handle: Stainless steel with rubber grip; Durability: Corrosion-resistant.	1	Piece		
56	Accident-mounted satellite trackers determine the path of turtle movement	Features: GPS-enabled, waterproof, shock-resistant; Battery Life: 12 months; Connectivity: GSM/GPRS with real-time tracking.	6	Piece		
57	Tents	Size: 3x3 meters; Material: Waterproof canvas; Frame: Aluminum poles; Features: Ventilation windows and durable groundsheet.	2	Piece		
58	Advanced digital cameras with high resolution remotely	Resolution: 24 MP; Zoom: Optical 10x; Connectivity: Wi-Fi and Bluetooth; Features: 4K video recording, night vision.	2	Piece		
59	binoculars	Magnification: 7x50, waterproof, fog-proof, corrosion-resistant.	4	Piece		
60	Telescope and tripod	Magnification: 20x–60x, adjustable tripod height (50–150 cm), total weight: 2–5 kg.	2	Piece		
61	Measuring Tapes	Length: 30–100 meters; Material: Fiberglass; Markings: Dual-scale metric (cm/mm) and imperial (inches).	12	Piece		
62	Tags and also electronic tracking chips	GPS-enabled, waterproof; Battery Life: 1 year; Range: Up to 50 km; Data Output: GSM/GPRS.	1	Piece		
63	Projectors & white Screen	Projector Resolution: Full HD (1920x1080); Brightness: 3,000 lumens; Screen Size: 120 cm width, portable.	4	Piece		
64	Echo sounder	Depth Range: 0–500 meters; Frequency: Dual Beam (50/200 kHz); Display: 5-inch LCD; Power: 12V DC.	1	Piece		



Sincerely,

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