

MEPNN Supplier Scouting Opportunity Synopsis

Item Information

Scouting Number	2023-098
Item to be Scouted	Laboratory Single-Turnover Active Fluorometer
Days to be scouted	15
Description	The Oceanic and Atmospheric Research (OAR) Pacific Marine Environmental Laboratory (PMEL) needs to purchase one (1) Laboratory Single-Turnover Active Fluorometer (LabSTAF) comparable to a Chelsea Technologies brand device.
State item to be used in	Washington

Contact Information

Email	stephanie.long@noaa.gov
First Name	Stephanie
Last Name	Long
Department / Company / MEP Center	Commerce, U.S. Department of
Bureau / Division / MEP Center Regional Office	National Oceanic and Atmospheric Administration (NOAA)

Supplier Information

Type of supplier being sought	Manufacturer
Reason	BABA
Details	Buy American Waiver

Summary of technical specifications and performance requirements

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic Assembly. See attached brochure.
--	---

Provide dimensions / size / tolerances / performance specifications for the item	<p>See attached brochure.</p> <p>Applications:</p> <ul style="list-style-type: none"> • Measurement of PSII photochemical flux per unit volume (JVPII) to provide an upper limit to Phytoplankton Primary Productivity (PhytoPP) at high spatiotemporal scales. • Quantitative assessment of the fundamental systems driving the global carbon cycle • Analysis of the biochemistry and ecology of aquatic systems • Verification of satellite data • Facilitates measurement at scales from mesoscale eddies to oceanic fronts • Climate change research and modelling • Monitoring of algal bloom development and community structure • Ecological monitoring to manage water catchments • Identify and mitigate sources affecting water quality in catchments <p>Specifications:</p> <p>Power supply 140 - 400 mA, 24 V, 3.4 - 9.7 W Dimensions (mm) 235 (H) x 320 (D) x 420 (W) Mass (approx.) 8.1 kg Sample Chamber 20 mL sample volume with fused silica vertical cylinder, BK7 base Excitation wavebands (wavelength) 452, 472, 505, 417, 534, 594, 622 nm Actinic light source Collimated output from 10 - 2400 $\mu\text{mol photons m}^{-2} \text{ s}^{-1}$ at 12 bit resolution Detection limit Can resolve Fv with an amplitude equivalent to 0.001 mg m^{-3} of chlorophyll a IP Rating IP65</p>
List required materials needed to make the product, including materials of product components	See attached brochure.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Additional Technical Comments	<p>Other similar products were sent to the technical subject matter experts, but none were found to meet the requirements of the PMEL. Any proposed products must be fully compatible with Chelsea Technologies brand in all aspects (form, fit, and function) to meet the requirements.</p> <p>** Other products evaluated included Avantes AvaSpec-HERO-01022021, AvaSpec-HS2048LX-EVO, and AvaSpec-ULS2048CL; and ThermoFisher's Quibit 4 and Quibit Flex.</p>

Volume and Pricing

Estimated potential business volume	One-time purchase
Estimated target price / unit cost information (if unavailable explain)	\$38,950.00.

Delivery Requirements

When is it needed by?	Delivery by October 1, 2023.
Describe packaging requirements	No packaging requirements specified.
Where will this item be shipped?	Seattle, WA

Additional Comments

Is there other information you would like to include?

This is a Simplified Acquisition, which has a shorter lead time to completion than an action over \$250,000.00. It is expected that this requirement will be awarded within the next 60 days, and any timely scouting (requested completed within 15 days from submission) would be appreciated to align with Simplified Acquisition requirements for posting and the Buy American Act Waiver process.