



Administered by University of Maine System
Office of Strategic Procurement
Request for Bid (RFB)

High Frequency Doppler Radar (HRDR)
RFB #2023-086

Issued Date: May 19, 2023

Response Deadline Date/Time: **May 31, 2023, 11:59 p.m. EST**

Response Submission Information:

Submitted electronically to UMSResponses@maine.edu
Email Subject Line – RC: HRDR - RFB#2023-086

Response Contact Information:

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PURPOSE AND SCOPE OF SERVICES

The University of Maine System (UMS) acting on behalf of University of Maine, Department of Marine Resources is seeking proposals for instrument shore-based radar system for measuring surface ocean currents. We are specifically interested in an 8-channel, high frequency Doppler radar electronics cabinet that can provide high resolution ocean surface current observations.

The system requirements include:

1. Documented FCC transmission certification for 16.15 MHz for ocean current data collection
2. Provide the ability to meet ocean surface current data standards and data quality control methods approved by and in use by NOAA-funded and certified Regional Information Coordination Entities.

EQUIPMENT SPECIFICATIONS

Equipment specifications must include:

- 8 complex (I-Q) homodyne receivers
- 16-channels 24-bit simultaneous A/D converter with maximum sampling rate of 48 kS/s
- oven-controlled crystal oscillator (OCXO), with a SSB phase noise < -145dBc @1 kHz
- quadruple-constellation GNSS timing board and antenna
- triple DDS clock-remapping and signal generator 3-27 MHz
- Mini-Circuit lumped LC band-pass RX filter boards
- 50 W CW class AB transmit amplifier (TOMCO)
- low-pass 100W TX filters with 18 MHz cut-off
- Linux embedded controller based on Xilinx Zynq FPGA/ARM chip
- filtered power supplies for 120/240V, with built-in battery backup controller
- all inter-module cables and bulkhead connectors, electrical breakers and hardware, integrated into two NEMA-4X aluminum enclosures

SUBMISSION REQUIREMENTS

Submissions are due by **May 31, 2023 on or before 11:59 p.m. EST.**

Submissions will include:

- Pricing for purchase of quantity ____
- Agreement that the equipment will be received by August 1, 2023.
- Confirmation that the equipment will meet or exceed the specifications provided in this document.
- Confirmation of equipment warranty, minimum of 1 year.

EVALUATION AND AWARD PROCESS

To be considered, the Respondent must meet the following:

- Agreement that the equipment will be received by August 1, 2023.
- Confirmation that the equipment will meet or exceed the specifications provided in this document.
- Provision of total cost of ownership for equipment including; equipment and shipping.
- Confirmation of equipment warranty, minimum of 1 year.

Respondent's meeting the criteria listed directly above will be evaluated based on a 100-point scale each.

Cost Evaluation: The total cost proposed for conducting all the functions specified in this document will be assigned a score according to a mathematical formula. For purposes of clarification the price evaluation will be completed on longer term pricing provided. The lowest cost response will be awarded the total points. Responses with higher cost response values will be awarded proportionately fewer points calculated in comparison with the lowest cost response.

The scoring formula is:

(Lowest submitted cost response / cost of response being scored) x **Points** = pro-rated score

The University will NOT seek a best and final offer (BAFO) from any Respondent in this procurement process. All Respondents are expected to provide their best value pricing with the submission of their response. Respondents will NOT be given another opportunity to modify pricing once submitted.

AWARD

The University reserves the right to award Agreement(s) to one or multiple Respondents, if such award is in the best interest of the University. The University also reserves the right to award only one solution if such an action is in the best interest of the University.

The University reserves the right to waive minor irregularities, which may include contacting the Respondent to resolve the irregularity. Scholarships, donations, or gifts to the University, will not be considered in the evaluation of responses. The University reserves the right to reject any or all bid/proposal/submission, in whole or in part, and is not necessarily bound to accept the lowest cost response if that bid/proposal/submission is contrary to the best interests of the University. The University may cancel this request or reject any or all responses in whole or in part. Should the University determine in its sole discretion that only one Respondent is fully qualified, or that one Respondent is clearly more qualified than any other under consideration, an Agreement may be awarded to that Respondent without further action.

NEGOTIATIONS

The University reserves the right to negotiate with the successful Respondent to finalize a contract. In the event that an acceptable contract cannot be negotiated, the University may withdraw its award. Alternatively, the University may cancel the RFB, at its sole discretion.

AWARD PROTEST

Respondents may appeal the award decision by submitting a written protest to the University of Maine System's Chief General Services Officer within five (5) business days of the date of the award notice, with a copy of the protest to the successful Respondent. The protest must contain a statement of the basis for the challenge. Further information regarding the appeal process can be found at

http://staticweb.maine.edu/wp-content/uploads/2015/07/APL_VII-A_20150630-FINAL.pdf?565a1d

If this RFB results in the creation of a pre-qualified or pre-approved list of vendors, then the appeal procedures mentioned above are available upon the original determination of that vendor list, but not during subsequent competitive procedures involving only the pre-qualified or pre-approved list participants.

MASTER AGREEMENT

A copy of the Master Agreement is provided as a supplemental document with file name; **03 - 2023-086-RFB-FT-Exhibit A - Master Agreement**

The Master Agreement will allow for:

- Additional equipment orders to include products and services under this Agreement, to additional University institutions, this includes any additional University institutions formed during the term of this agreement, all facilities utilized by an institution including those managed and/or owned by a third party, and additional entities, such as, the University College a division of University of Maine at Augusta.
- Additional Scope: The Contractor shall permit product and services not covered herein to be added by mutual written agreement, without voiding the provisions of the existing agreement. The

Contractor, for additional consideration, shall furnish additional such products and services to the University.