

Combined Synopsis/Solicitation Notice

CLASSIFICATION CODE *	66
SUBJECT*	FIBER ELECTRO-OPTIC PHASE MODULATOR
GENERAL INFORMATION	
CONTRACTING OFFICE'S * ZIP-CODE	80305
SOLICITATION NUMBER *	1333ND19QNB680016
RESPONSE DATE (MM-DD-YYYY)	11-30-2018
ARCHIVE	14 DAYS AFTER THE RESPONSE DATE
RECOVERY ACT FUNDS	N
SET-ASIDE	Small Business
NAICS CODE *	333314
CONTRACTING OFFICE ADDRESS	Department of Commerce National Institute of Standards and Technology (NIST) 325 Broadway Boulder, CO 80130
DESCRIPTION *	See Attachment
POINT OF CONTACT *	Meelondrell T. Lumpkin Contracting Officer (303) 497-5270
PLACE OF PERFORMANCE	
ADDRESS	National Institute of Standards and Technology 325 Broadway Boulder, Colorado
POSTAL CODE	80130
COUNTRY	United States
ADDITIONAL INFORMATION	
AGENCY'S URL	https://www.nist.gov/
URL DESCRIPTION	
AGENCY CONTACT'S EMAIL ADDRESS	Meelondrell.lumpkin@nist.gov
EMAIL DESCRIPTION	Meelondrell.lumpkin@nist.gov

* = Required Field

I. REQUEST FOR QUOTE FOR FIBER ELECTRO-OPTIC PHASE MODULATOR

THIS IS A COMBINED SYNOPSIS/SOLICITATION FOR COMMERCIAL ITEMS PREPARED IN ACCORDANCE WITH THE FORMAT IN FAR SUBPART 12.6-STREAMLINED PROCEDURES FOR EVALUATION AND SOLICITATION FOR COMMERCIAL ITEMS-AS SUPPLEMENTED WITH ADDITIONAL INFORMATION INCLUDED IN THIS NOTICE. THIS ANNOUNCEMENT CONSTITUTES THE ONLY SOLICITATION; QUOTATIONS ARE BEING REQUESTED, AND A WRITTEN SOLICITATION DOCUMENT WILL NOT BE ISSUED. THIS SOLICITATION IS BEING ISSUED USING SIMPLIFIED ACQUISITION PROCEDURES UNDER THE AUTHORITY OF FAR 13.5 SIMPLIFIED PROCEDURES FOR CERTAIN COMMERCIAL ITEMS.

- A. The solicitation number and a statement that the solicitation is issued as a **request for quotation (RFQ)**. All communications and documents must include the proposed solicitation number **1333ND19QNB680016**.
 - 1. **All offerors shall provide a FIRM FIXED PRICE quotation for the Fiber Electro-optic Modulator to include all shipping costs.**
 - 2. **Closing Response Date: October 30, 2018, 9:00 AM, Mountain Time.**
- B. The solicitation document and incorporated provisions and clauses are those in effect through Federal Acquisition Circular FAC 2005-100 August 22, 2018.
- C. The associated North American Industrial Classification System (NAICS) code for this procurement is 333314, with a small business size standard of 500 employees. This is a total small business set-aside.
- D. **CONTRACT LINE ITEM NUMBERS (CLINs) OVERVIEW:**

1.

CLIN	ITEMS	QUANTITY	UNIT OF ISSUE	PRICE
0001	Fiber Electro-optic Phase Modulator	1	EA	\$0.00
0002	Shipping	1	EA	\$0.00

2. There are no option CLINs.

E. DESCRIPTION OF REQUIREMENTS

The Yb portable atomic clock projects require a 556 nm laser beam for the purposes of 2nd stage cooling and atomic pumping. This beam is derived from frequency doubling a 1112 nm IR laser, and the necessary frequency stability is achieved by offset locking this IR laser to a stable optical cavity. Using high frequency (>2 GHz) modulators ensures that the offset lock can span the frequency difference between the Yb atoms and a cavity resonance. Using fiber instead of free space modulators reduces system complexity and adds robustness to the portable clocks.

Fiber Electro-optic Modulator description requirements:

Single-mode at 1112 nm
 pm fiber, FC/APC connectors
 3 dB Bandwidth \geq 2GHz
 polarization PER \geq 18 dB
 half wave voltage \leq 6 V @ 2 GHz
 Insertion loss \leq 6 dB with connectors
 Input optical power $>$ 20 mW
 sma compatible rf connectors:

F. DATE(S) AND PLACE(S) OF DELIVERY AND ACCEPTANCE AND FOB POINT

1. Delivery schedule shall be completed **no later February 1, 2019**. Duration of the contract is after receipt of order (ARO) until February 1, 2019.
2. Free on board” or “Freight on board (**FOB Destination**) delivery terms are requested. FOB Destination means: The Contractor shall pack and mark the shipment in conformance with carrier requirements, deliver the shipment in good order and condition to the point of delivery specified in the purchase order, be responsible for any loss of and/or damage to the goods occurring before receipt and acceptance of the shipment by the consignee at the delivery point specified in the purchase order; and pay all charges to the specified point of delivery. The contractor is responsible for any custom clearance, to include, import duties, taxes, and fees, Power of attorney, bond(s), etc. All shipping costs shall be included in the total firm-fixed price.
3. Delivery address: The Contractor shall include delivery item to the Place of Contract Performance:

NIST Shipping and Receiving
 ATTN: Richard Fox
 325 Broadway
 Boulder, CO, 80305.

- G. The provision at [52.212-1](#), Instructions to Offerors – Commercial Items, applies to this acquisition. See enclosed Federal Acquisition Regulation (FAR) provision at 52.212-1 for additional specific paragraph(s) that are applicable to the acquisition by addendum included in to this provision.
- H. The provision at [52.212-2](#), Evaluation -- Commercial Items, applies to this acquisition. See enclosed FAR provision at 52.212-2 for specific evaluation criteria included that are applicable to the acquisition by addendum included in to this provision. Offerors shall clearly demonstrate their ability to meet the technical requirements and deliverable schedule (period of performance) as outlined in the associated solicitation. Quote shall include all shipping costs.
- I. The provision at [52.212-3](#), Offeror Representations and Certifications -- Commercial Items, applies to this acquisition. The Offeror must have completed the annual representations and certification electronically via the System for Award Management (SAM) Web site located at <http://www.sam.gov/portal>. If the Offeror **has not completed** the annual representations and certifications electronically, the Offeror shall complete only paragraphs (c) through (u) of the

enclosed FAR provision at 52.212-3.

- J. Clauses at [52.212-4](#), Contract Terms and Conditions -- Commercial Items, applies to this acquisition. See enclosed FAR Clause at 52.212-4 for additional FAR clauses cited in the clause that are applicable to the acquisition.
- K. Clauses at [52.212-5](#), Contract Terms and Conditions Required To Implement Statutes Or Executive Orders -- Commercial Items, applies to this acquisition. See enclosed FAR Clause at 52.212-5 for additional FAR clauses cited in the clause that are applicable to the acquisition.
- L. **Additional contract requirement(s) or terms and conditions are as follows:**
 - 1. **INSPECTION**
Inspection and acceptance is expected to take seven calendar days after receipt of delivery.
 - 2. **WARRANTY**
Inspection and acceptance is expected to take one week after delivery.
 - 3. **SYSTEM FOR AWARD MANAGEMENT (SAM) REGISTRATION**
In accordance with FAR Clause 52.204-7, the awardee must be registered in the System for Award Management (www.sam.gov) prior to award. Refusal to register shall forfeit award.
- M. The Defense Priorities and Allocations System (DPAS) and assigned rating is not applicable to this acquisition.
- N. Contact Point or Contracting Officer is MeeLondrell Lumpkin at (303) 497-5270.

II. ADDENDUM TO FAR 52.212-1, INSTRUCTIONS TO OFFERORS – COMMERCIAL ITEMS -- QUOTATION PREPARATION INSTRUCTIONS

A. Offerors shall clearly demonstrate their ability to meet the technical requirements and deliverable schedule as outlined in the associated solicitation.

B. ELECTRONIC SUBMISSION ONLY

Please reference the Request for Quote (RFQ) number (1333ND19QNB680016) in the subject line of email communications. Offerors quotations shall not be deemed received by the Government until the quotation is entered in the Contracting Officer's e-mail inbox: meelondrell.lumpkin@nist.gov.

C. SF-1449 SUBMITTAL INSTRUCTIONS

1. **SUBMIT ONE QUOTE VIA EMAIL.** The quote shall be organized, concise, and tabbed. Each factor shall be described in a separate tabbed section. Those Offerors that meet the requirement described in this announcement and wish to be considered must submit an SF- Standard Form (SF) 1449, Solicitation/Contract/Order for Commercial Items – Offeror to Complete Blocks 12, 17, 23, 24 & 30. Offerors responding are requested to clearly indicate those required services it intends to self-perform and those it intends to sub-contract. One electronic email with the RFQ response is to be received in this office no later than 9:00 AM, Mountain Time on, October 30, 2018.
2. Each submittal shall contain the following information:
 - a. Cover and title page per FACTOR
 - b. Title of the **Factor** and **qualification** number as applicable
 - c. Offeror's name, address, and Point of Contract for Contractual Authority
 - d. RFP number
 - e. **Use page numbers, tabs, and dividers is highly encouraged**
3. Proposal Expenses and Pre-Contract Costs
 - a. The RFQ solicitation does not commit the Government to pay any costs incurred in the preparation and submission of a proposal or for any other costs incurred by any offeror submitting a proposal in response to this solicitation. Offerors are cautioned against submitting conditional RFQ.
 - b. The Government will not make assumptions concerning intent, capabilities, or experiences. Clear identification of proposal details shall be the sole responsibility of the offeror.
 - c. Failure to clearly address all submittal requirements, evaluation criteria and information requirements of the RFQ above may result in rejection of the submission.

III. **ADDENDUM TO FAR 52.212-1(b) (11), ACCEPTANCE OF TERMS AND CONDITIONS**

If the contractor objects to any of the terms and conditions contained in this solicitation, the contractor shall state “The terms and conditions in the solicitation are acceptable to be included in the award document with the exception, deletion, or addition of the following:” [Contractor shall list exception(s) and rationale for the exception(s)]. It is the sole responsibility of the contractor to identify in their quote any exceptions to the terms and conditions of the solicitation. If the contractor does not include such a statement, the submission of a quotation in response to this solicitation will be regarded as the Contractor’s acceptance of the Government’s terms and conditions for inclusion into the resultant purchase order.

IV. **ADDENDUM TO FAR 52.212-2, EVALUATION -- COMMERCIAL ITEMS - EVALUATION CRITERIA AND BASIS FOR AWARD**

- A. The Government intends to evaluate quotations and issue a firm fixed purchase order based on the initial quotations received, utilizing simplified acquisition procedures of FAR Part 13. The Government will evaluate quotes utilizing the procedures of FAR 13.106-2 Evaluation of quotations or offers. The Government reserves the right to request revised quotations from, or negotiate final purchase order terms with, one or more, but not all, Offerors if later determined by the Contracting Officer to be necessary. The Government may reject any or all quotations if such action is in the public interest, and issue a purchase order to other than the Offeror with the lowest priced quotation.
- B. Incomplete quotations may be considered non-responsive and removed from further consideration. Quotations shall be clearly and concisely written as well as being neat, indexed (cross-indexed as appropriate) and logically assembled. All pages of each part shall be appropriately numbered and identified with the name of the offeror, the date, and the solicitation number.
- C. **BASIS FOR AWARD**

The award will be made to the vendor whose submission represents the best value to the Government. The Government may award to other than the lowest priced Offeror or the highest technically rated Offeror utilizing trade-offs. Pricing will be evaluated separately from technical factors and used as a trade-off. The importance of price in the evaluation will increase with the degree of equality among quotations of the non-price factors. The following factors shall be used to evaluate Offers:

EVALUATION CRITERIA. Evaluation criteria consist of factors. The proposals will be evaluated under three evaluation factors: Technical Capability, Past Performance and Price. In determining best value using trade-off, Technical Capability and Past Performance are listed in order of importance. All factors other than price, when combined, are significantly more important than price.

- ✓ FACTOR 1: TECHNICAL APPROACH
- ✓ FACTOR 2: CUSTOM SCHEDULE/DELIVERY
- ✓ FACTOR 3: EXPERIENCE
- ✓ FACTOR 4: PRICE

D. FACTOR 1 - TECHNICAL APPROACH (VOL. 1)

1. The TECHNICAL APPROACH (capabilities) is defined as the vendor's proposed solution(s) to successfully fulfill the contract requirements.

2. SUBMITTAL REQUIREMENTS

The vendor shall submit technical approach and capability documentation which may include a narrative, charts, graphs, tables, drawings, product / service literature, and demonstrated authority to provide the necessary items and perform the required services identified in the specification / statement of work. The documentation shall clearly describe, in sufficient detail, the vendor's authority, proposed items, resources and methods to successfully fulfill the requirements including specifications, performance capability requirements, delivery schedules, warranties and all service requirements per the Request for Quotations.

3. BASIS OF EVALUATION

Evaluation of this factor is a subjective evaluation of the vendor's demonstrated resources, capability and methods to meet all requirements. The vendor's submittals will be evaluated in terms of demonstrated understating of the requirements and demonstrated capability to meet or exceed the requirements. This may include the authority to provide the required items (i.e., authorized dealer/seller/reseller), authority to provide maintenance and repair services, and the capability and method to successfully meet all the requirements including but not limited to item specifications, delivery schedule, installation, warranty, etc.

E. FACTOR 2 - CUSTOM SCHEDULE/DELIVERY (VOL.2)

1. SUBMITTAL REQUIREMENTS

Submit document(s) that clearly and unambiguously confirms delivery of all items and / or performance of services by required delivery / performance dates, or propose alternate delivery / performance dates. The schedule shall identify proposed item installation dates, training dates, and any other critical date identified in the **specification** / statement of work. Submit FAR 52.211-8, Time of Delivery, in full text.

2. BASIS OF EVALUATION

This factor will be evaluated to determine whether the vendor understands the delivery / performance schedule requirements and whether the vendor is capable of meeting the required delivery / performance schedule per the request for quotations. The Government may assess an earlier delivery / performance schedule as more favorable and added value to the Government (Sooner may be determined better).

F. FACTOR 3 - EXPERIENCE (VOL. 3)

1. This factor involves an assessment of the vendor's experience in terms of relevancy (similarity in scope, size, and complexity), as a means of evaluating the capability of the vendor to successfully meet the requirements of the request for quotation.

2. SUBMITTAL REQUIREMENTS

The vendor shall provide the following information for a minimum of three relevant projects (item and / or service) to that of the requirement in the request for quotation.

- a. Experience For: Company Name, address phone number, and point of contact.

- b. Description of the work provided in terms of items and services provided.
 - c. Date of delivery (Items) and dates of services provides (Service contracts).
3. BASIS OF EVALUATION

Evaluation of this factor is a subjective evaluation of the vendor's experience, in terms of relevancy, as a means of evaluating the capability of the Vendor to meet the requirements of the request for quotation successfully.

G. FACTOR 4 - PRICE QUOTATION (VOL. 4)

1. SUBMITTAL REQUIREMENTS

Contractor's shall submit a Quotation which will be evaluated for price reasonableness. The offeror shall submit an electronic copy of the completed price quotation to the Contracting Officer. The price quotation shall be separate from any other portion of the quotation. The offeror shall propose a separate firm-fixed-price, FOB Destination, for each CLIN and options. Price quotations shall remain valid for a period of 45 calendar days from the date quotations are due. Contractor shall state express warranty coverage.

2. BASIS OF EVALUATION

The quoted price will be evaluated to determine whether the quoted prices are reasonable in relation to the solicitation requirements. Prices must be entirely compatible with the technical portion of the quotation.