

Posting Date: July 10, 2024

Closing Date: July 20, 2024, 11:30 a.m. ET

Reference Number: 24-038975

To: NCI Bid Board

From: Sharon Coles-Calloway  
NCI DCEG Purchasing Agent  
[coless@mail.nih.gov](mailto:coless@mail.nih.gov)

Subject: NCI Bid Board Posting – Software License for Whole Genome Sequencing – 1 year subscription

The National Cancer Institute (NCI) Division of Cancer Epidemiology and the Integrative Tumor Epidemiology Branch mission is to conduct large-scale, international epidemiological research on cancer etiology and progression through integrative analyses of risk factors and tissue profiling to inform prevention and clinical strategies.

Recent advances in next generation sequencing technologies have dramatically increased the rate of data output while significantly reducing costs. We are currently analyzing a large number of tumor and normal tissue samples of lung cancer and kidney cancer and plan to scan additional cancer types in the future using whole genome sequencing. However, highly accurate analysis of sequencing data is computationally intensive and creates a bottleneck in the overall sequencing workflow.

To address these challenges, the National Cancer Institute plans to purchase a DNA software package that was developed to significantly decrease the analysis time and the computational resource requirements for variant detection without compromising accuracy. The result is a 20-to-50-fold increase in processing speed on the same hardware with results that are identical to the currently used GATK pipeline. Because of the large sample size of tumors, we are analyzing a software that can provide variant calling at high speed is essential for our ongoing and planned projects. This software package is from Sentieon Inc., Mountain View, CA. This is not a request for competitive quotation. However, if any interested party believes it can meet the attached requirements, it may submit a statement of capabilities. The capability statement must be in writing and must contain information and material in sufficient detail to allow NCI to determine if the party can fully meet this requirement. The capability statement must be received in the contracting office by 11:30 AM on July 20, 2024, ET. A determination by the Government not to compete this requirement based upon responses to this notice is solely within the discretion of the Government. Information received will be considered solely for the purpose of determining whether to conduct a competitive procurement.

Sole Source Justification:

This software is proprietary software only available through Sentieon. The software is essential for whole-genome sequencing. The software is essential for our ongoing and planned projects. The software has the following features: 20-to-50-fold increase in processing speed.

Attached Documents:

SF18

Statement of Work

FAR Clause 52.213-4 Simplified Acquisitions Terms and Conditions (AUG 2019) is applicable and available in full text upon request

FAR Clause 52.204-24 Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment

<b>REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)</b>		THIS RFQ <input type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE	OF	PAGES
1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.		4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG 1		RATING
5a. ISSUED BY				6. DELIVER BY (Date)		
NAME		TELEPHONE NUMBER		7. DELIVERY		OTHER (See Schedule)
		AREA CODE	NUMBER	FOB DESTINATION	9. DESTINATION	
8. TO:				a. NAME OF CONSIGNEE		
a. NAME		b. COMPANY		b. STREET ADDRESS		
c. STREET ADDRESS				c. CITY		
d.. CITY		e.. STATE	f.. ZIP CODE	d.. STATE	e. ZIP CODE	
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date)		<b>IMPORTANT:</b> This is a request for information, and quotations furnished are not offers. If you are unable to quote, please indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.				

11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d.. CALENDAR DAYS
				NUMBER PERCENTAGE

NOTE: Additional provisions and representations		are	are not attached.	13. NAME AND ADDRESS OF QUOTER	14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION	15. DATE OF QUOTATION
a. NAME OF QUOTER						
b. STREET ADDRESS				16. SIGNER		
c. COUNTY				a. NAME (Type or print)		b. TELEPHONE
d. CITY		e. STATE	f. ZIP CODE			AREA CODE
				c. TITLE (Type or print)		NUMBER

## **STATEMENT OF NEED (SON)**

### **1.0 TITLE**

Sentieon Proprietary Software

### **2.0 BACKGROUND**

Recent advances in next generation sequencing technologies have dramatically increased the rate of data output while significantly reducing costs. We are currently analyzing a large number of tumor and normal tissue samples of lung cancer and kidney cancer and plan to scan additional cancer types in the future using whole genome sequencing. However, highly accurate analysis of sequencing data is computationally intensive and creates a bottleneck in the overall sequencing workflow.

To address these challenges, the Sentieon DNA Software Package was developed to significantly decrease the analysis time and the computational resource requirements for variant detection without compromising accuracy. The result is a 20-to-50-fold increase in processing speed on the same hardware with results that are identical to the currently used GATK pipeline. Because of the large sample size of tumors, we are analyzing, a software that can provide variant calling at high speed is essential for our ongoing and planned projects.

### **3.0 TYPE OF ORDER**

This is a Firm Fixed-Price Purchase Order.

### **4.0 SPECIAL ORDER REQUIREMENTS**

#### **4.1 PRODUCT FEATURES/SALIENT CHARACTERISTICS**

The following product features/characteristics are required for this requirement:

Sentieon Software is proprietary software only available through Sentieon. It has the following features: 20-to-50-fold increase in processing speed.

#### **4.2 DELIVERY / INSTALLATION**

**POC:** Maria Landi; [landim@mail.nih.gov](mailto:landim@mail.nih.gov); 240-276-7236-Telephone; 240-276-7832-Fax

**Period of Performance:** September 1, 2024 – August 31, 2025

#### **4.3 TRAINING**

N/A

## STATEMENT OF NEED (SON)

### 5.0 PAYMENT

Payment shall be made at time of purchase upon approval of purchase request. Payment authorization requires submission and approval of invoices to the COR and NIH OFM, in accordance with the payment provisions listed below:

The following clause is applicable to all Purchase Orders, Task or Delivery Orders, and Blanket Purchase Agreement (BPA) Calls: PROMPT PAYMENT (JUL 2013) FAR 52.232-25. Highlights of this clause and NIH implementation requirements follow:

#### I INVOICE REQUIREMENTS

- A. An invoice is the Contractor's bill or written request for payment under the contract for supplies delivered or services performed. A proper invoice is an "Original" which must include the items listed in subdivisions 1 through 12, below, in addition to the requirements of FAR 32.9. If the invoice does not comply with these requirements, the Contractor will be notified of the defect within 7 days after the date the designated billing office received the invoice (3 days for meat, meat food products, or fish, and 5 days for perishable agricultural commodities, dairy products, edible fats or oils) with a statement of the reasons why it is not a proper invoice. (See exceptions under II., below.) Untimely notification will be taken into account in the computation of any interest penalty owed the Contractor.
  1. Vendor/Contractor: Name, Address, Point of Contact for the invoice (Name, title, telephone number, e-mail and mailing address of point of contact).
  2. Remit-to address (Name and complete mailing address to send payment).
  3. Remittance name must match exactly with name on original order/contract. If the Remittance name differs from the Legal Business Name, then both names must appear on the invoice.
  4. Invoice date.
  5. Unique invoice #s for all invoices per vendor regardless of site.
  6. NBS document number formats must be included for awards created in the NBS: Contract Number; Purchase Order Number; Task or Delivery Order Number and Source Award Number (e.g., Indefinite Delivery Contract number; General Services Administration number); or, BPA Call Number and BPA Parent Award Number.
  7. Data Universal Numbering System (DUNS) or DUNS + 4 as registered in the Central Contractor Registration (CCR).
  8. Federal Taxpayer Identification Number (TIN). In those exceptional cases where a contractor does not have a DUNS number or TIN, a Vendor Identification Number (VIN) must be referenced on the invoice. The VIN is the number that appears after the contractor's name on the face page of the award document.
  9. Identify that payment is to be made using a three-way match.
  10. Description of supplies/services that match the description on the award, by line billed.\*
  11. Freight or delivery charge must be billed as shown on the award. If it is included in the item price do not bill it separately. If identified in the award as a separate line item, it must be billed separately.
  12. Quantity, Unit of Measure, Unit Price, Extended Price of supplies delivered or services performed, as applicable, and that match the line items specified in the award.\*

## **STATEMENT OF NEED (SON)**

\* NOTE: If your invoice must differ from the line items on the award, please contact the Contracting Officer before submitting the invoice. A modification to the order or contract may be needed before the invoice can be submitted and paid.

- B. Shipping costs will be reimbursed only if authorized by the Contract/Purchase Order. If authorized, shipping costs must be itemized. Where shipping costs exceed \$100, the invoice must be supported by a bill of lading or a paid carrier's receipt.
- C. Mail an original and 1 copy of the itemized invoice to:

National Institutes of Health  
Office of Financial Management, Commercial Accounts  
2115 East Jefferson Street, Room 4B-432, MSC 8500  
Bethesda, MD 20892-8500

For inquiries regarding payment call: (301) 496-6088

In order to facilitate the prompt payment of invoices, it is recommended that the vendor submit a photocopy of the invoice to the "Consignee" designated for the acquisition in blocks 6A – 6E of the face page of the Order/Award document.

### **II. INVOICE PAYMENT**

- A. Except as indicated in paragraph B., below, the due date for making invoice payments by the designated payment office shall be the later of the following two events:
  - 1. The 30th day after the designated billing office has received a proper invoice.
  - 2. The 30th day after Government acceptance of supplies delivered or services performed.
- B. The due date for making invoice payments for meat and meat food products, perishable agricultural commodities, dairy products, and edible fats or oils, shall be in accordance with the Prompt Payment Act, as amended.

### **III. INTEREST PENALTIES**

- A. An interest penalty shall be paid automatically, if payment is not made by the due date and the conditions listed below are met, if applicable.
  - 1. A proper invoice was received by the designated billing office.
  - 2. A receiving report or other Government documentation authorizing payment was processed and there was no disagreement over quantity, quality, or contractor compliance with a term or condition.
  - 3. In the case of a final invoice for any balance of funds due the contractor for supplies delivered or services performed, the amount was not subject to further settlement actions between the Government and the Contractor.

## **STATEMENT OF NEED (SON)**

B. Determination of interest and penalties due will be made in accordance with the provisions of the Prompt Payment Act, as amended, the Contract Disputes Act, and regulations issued by the Office of Management and Budget.

### **IV. PROVIDING ACCELERATED PAYMENT TO SMALL BUSINESS SUBCONTRACTORS, FAR 52.232-40 (DEC 2013)**

- a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.
- b) The acceleration of payments under this clause does not provide any new rights under the prompt Payment Act.

Include the substance of this clause, include this paragraph c, in all subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial items.