

*Office Secretary*

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEM</b> OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30		1. REQUISITION NUMBER REQ-4200-11-0045	PAGE OR 1
2. CONTRACT NO. CPSC-S-11-0094	3. AWARD/EFFECTIVE DATE 09/29/2011	4. ORDER NUMBER	5. SOLICITATION NUMBER CPSC-Q-11-0058
7. FOR SOLICITATION INFORMATION CALL:	a. NAME Rudi Johnson	b. TELEPHONE NUMBER (No collect calls) 301-504-7028	8. OFFER DUE DATE/LOCAL TIME ET
9. ISSUED BY CONSUMER PRODUCT SAFETY COMMISSION DIV OF PROCUREMENT SERVICES 4330 EAST WEST HWY ROOM 517 BETHESDA MD 20814	CODE FMPS	10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> EMERGING SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SOLE SOURCE <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> (8A)	
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE	12. DISCOUNT TERMS Net 30	<input type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER OPAS (15 CFR 700)	13b. RATING 14. METHOD OF SOLICITATION <input checked="" type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP
15. DELIVER TO CONSUMER PRODUCT SAFETY COMMISSION ROCKVILLE CAMPUS 5 RESEARCH PLACE ROCKVILLE MD 20850	CODE LSE2	16. ADMINISTERED BY CONSUMER PRODUCT SAFETY COMMISSION DIV OF PROCUREMENT SERVICES 4330 EAST WEST HWY ROOM 517 BETHESDA MD 20814	
17a. CONTRACTOR/OFFEROR NORTH STAR IMAGING INC 19875 S DIAMOND LAKE ROAD SUITE 10 ROGERS MN 55374-4594	CODE G	FACILITY CODE	18a. PAYMENT WILL BE MADE BY CPSC Accounts Payable Branch AMZ 160 P. O. Box 25710 Oklahoma City OK 73125

TELEPHONE NO.  17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED  SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	DUNS Number: THE CONTRACTOR SHALL PROVIDE THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH THE ATTACHED SPECIFICATION, NORTH STAR IMAGING ORIGINAL PROPOSAL DATED SEPTEMBER 28, 2012 AND REVISIONS DATED 29 SEPTEMBER 2011 ARE INCOPORATED IN THEIR ENTIRETY.  225 kv DIGITAL X-RAY AND CONE BEAM CT SYSTEM Continued ... <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i>	1	EA	499,500.00	499,500.00

25. ACCOUNTING AND APPROPRIATION DATA 0100A11DPS 2011 2401300000EXHR004200 311B0 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$549,500.00

27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED.  27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-6 IS ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED.

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.  29. AWARD OF CONTRACT REF. OFFER DATED YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR *Rick Pelletier* 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) *Kim Miles*

30b. NAME AND TITLE OF SIGNER (Type or print) Rick Pelletier Controller 30c. DATE SIGNED 9/30/11 31b. NAME OF CONTRACTING OFFICER (Type or print) Kim Miles 31c. DATE SIGNED 9-30-11

10. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001 AA	<p>CABINET MICROFOCUS X-RAY AND COMPUTER TOMOGRAPHY SYSTEM FOR 2 DIMENSIONAL AND 3 DIMENSIONAL IMAGING OF SAMPLE PRODUCTS.</p> <p>TO INCLUDE THE FOLLOWING SYSTEM OPTION(S)</p> <p>OPTION 2 FAST CT 2G MODULE</p> <p>AND</p> <p>OPTION 5 GEOMAGIC QUALIFY v11</p> <p>WARRANTY TO COVER ONE (1) YEAR AFTER THE INSTALLATION OF THE SYSTEM FROM BEING INSTALLED) DATES FOR OPTION YEAR (S) WILL BE INCORPORATED BY BILATERAL MODIFICATION)</p>	1	LO	50,000.00	50,000.00
0002	<p>FIRST (1ST) OPTION PERIOD MAINTENANCE SERVICES Amount: \$12,500.00 (Option Line Item)</p>	1	EA	12,500.00	0.00
0003	<p>SECOND (2ND) OPTION PERIOD Continued ...</p>	1	JB	12,500.00	0.00

32a. QUANTITY IN COLUMN 21 HAS BEEN  RECEIVED  INSPECTED  NOTED: \_\_\_\_\_ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE \_\_\_\_\_ 32c. DATE \_\_\_\_\_ 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE \_\_\_\_\_

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE \_\_\_\_\_ 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE \_\_\_\_\_  
32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE \_\_\_\_\_

33. SHIP NUMBER \_\_\_\_\_ 34. VOUCHER NUMBER \_\_\_\_\_ 35. AMOUNT VERIFIED CORRECT FOR \_\_\_\_\_ 36. PAYMENT  COMPLETE  PARTIAL  FINAL \_\_\_\_\_ 37. CHECK NUMBER \_\_\_\_\_  
 PARTIAL  FINAL

38. S/R ACCOUNT NUMBER \_\_\_\_\_ 39. S/R VOUCHER NUMBER \_\_\_\_\_ 40. PAID BY \_\_\_\_\_

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT \_\_\_\_\_ 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER \_\_\_\_\_ 41c. DATE \_\_\_\_\_ 42a. RECEIVED BY (Print) \_\_\_\_\_  
42b. RECEIVED AT (Location) \_\_\_\_\_  
42c. DATE REC'D (YY/MM/DD) \_\_\_\_\_ 42d. TOTAL CONTAINERS \_\_\_\_\_

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
CPSC-S-11-0094

PAGE OF  
3 14

NAME OF OFFEROR OR CONTRACTOR  
NORTH STAR IMAGING INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>MAINTENANCE SERVICES Amount: \$12,500.00 (Option Line Item)</p> <p>The total amount of award: \$574,500.00. The obligation for this award is shown in box 26.</p>				

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## TERMS AND CONDITIONS – DIGITAL X-RAY

### CPSC-Q-11-0058

**1. SCOPE OF WORK:** The Consumer Product Safety Commission, Laboratory Sciences is seeking to purchase a new 225 Kv Digital X-Ray and Computer Tomography System and Cone Beam CT Systems in accordance with the specifications listed below.

**2. CONTRACT TYPE:** This is a firm fixed-priced type contract for the supply of items described herein.

**3. SERVICES AND PRICES:** The contractor shall provide pricing in accordance with block 20, Schedule of Supplies/Services for all contract line items (CLINs) 0001 through 0001AC.

#### **4. DESCRIPTION OF SUPPLY:**

The contractor shall provide a system with the following capabilities:

- Advanced 2D X-ray inspection
- 2D CT Slice reconstruction
- CT volume reconstruction for 3D inspection
- 3D internal and external surface scanning
- Measurement and Analysis tools

#### **5. SPECIFICATIONS:**

**SYSTEM COMPONENTS** – The system shall be comprised of the following components:

1. 225kV Radiation Shielded Cabinet
  - Radiation shielding to energies of 225kV constant potential.
  - Steel/lead/steel construction.
  - Cable access port with cover.
  - DC motor driven sliding access door with light curtains
  - Primary and secondary x-ray safety interlocks.
  - Interior lighting.
  - X-ray on warning light.
  - Designed to meet all state and federal X-ray safety regulations.
  - Note: Current doorways have an opening 71 inches across by 95 inches high. The absolute maximum width available could be as wide as 83 inches with building modifications. See attached floor plan.

- The system shall be able to accommodate the larger size up to 84 inches and the Government will remove the door and wall areas, so that when the unit arrives it will fit into the current laboratory location.
2. X-Ray Source: 225 kV Microfocus Directional Tube
    - Tube Voltage ...30 - 225 kV
    - mA Range ...0-1 mA
    - Power ...225 W max
    - Focal Spot Size < 6 microns
    - Detail Recognition ...< 2 microns
    - Minimum Focus-Object-Distance ...< 5 mm
    - 5m High Tension Cable
  3. X-Ray Control Unit
    - Workstation with Windows operating system
    - Automatic tube warm-up ... High voltage, filament current
    - Automatic focusing, electron beam alignment and target loading control
    - Spare Parts and Service Kit
  4. X-Ray Detector: 16"x 10" or larger flat panel detector
    - Minimum 16" x 10" image area.
    - Premium CT Grade with Cesium Scintillator or better
    - 127 micron pixel pitch. (2000 x 3200 pixels matrix or better; approx. 7 Megapixels or better)
    - 14 bit resolution
    - 15 fps (2x2 pixel binning) image acquisition; 3 fps at full resolution
    - Tungsten Shielded
  5. Multiple Axis Manual Controlled Manipulator

The manipulator system shall allow for manual control of the positioning device and associated x-ray system. Minimum requirements are:

- Variable speed motors; Joystick control.
- Focal Distance maximum: 48"
- Minimum part travel: Vertical at least 30"; Horizontal at least 30"; Z axis at least 30".
- Rotation - 360 Degrees.
- Tilt in x and y axis required.
- Flat panel translation to adjust the focal distance
- Minimum 150 lb. lifting capacity.

6. Operator desk/console to accommodate provided computer system.
7. Imaging Processing System to include the following at a minimum

Full Computer Specification requirements

- Windows 7 Based.
- Non-proprietary image storage format.
- High performance image processing and measurement functions utilizing GPU technology
- Automatic parallelization for systems with multiple CPU's and GPU's
- Real time measurements and statistics
- Real time rotation between portrait and landscape modes
- Real time defective pixel correction
- Capture video into AVI files.
- Supports digital flat panel detectors, LDA's and digital/analog cameras at 8, 10, 12 and 16 bits.
- Read and store images in TIFF 32 bit / 16 bit / 8 bit, BMP, JPEG, DICONDE
- Seamless integration with system control software

Must include an automated acquisition module

- Capable of CT acquisition up to 10,000 angle steps.
- Real time monitoring of X-ray performance.

8. Computed Tomography Software

- User-friendly process from the initiation of the project to final results.
- Automatic Calibration
- Cone Beam Reconstruction
- Real time 3D Volume Rendering
- 3D Surface Module
- Real time 2D viewing of X-ray images and/or CT slices

Acquisition Workstation (minimum requirements)

- Windows® Based
- Quad-Core Processor
- 4 GB RAM
- 2TB of Data Storage
- DVD+/-RW Drive
- 10/100/1000 Network Interface
- High Performance Display Adaptor
- 30" or greater high resolution flat panel monitor

Basic Reconstruction Workstation (minimum requirements)

- Windows® based
- Quad-Core Processor
- 8GB RAM
- 4TB of Data Storage
- High Performance Display Adaptor for Display and Reconstruction with 2 GB GPU Memory
- DVD+/-RW Drive
- 10/100/1000 Network Interface
- 30" or greater high resolution flat panel monitor
- Minimum 2 year warranty and software support and updates
- Minimum 2 year preventive maintenance program

The government shall provide electrical power as noted below:

Volts            200 - 240 VAC

3 wires neutral required

AMPS            60

Phase            3

For the Control Desk / Computers

Volts            120 VAC

AMPS            15

## **6. DELIVERY (INSIDE)**

a. The contractor shall provide delivery of all equipment and parts within 180 days after the contract is awarded. Inside delivery to southwest corner of Room 125 (Electrical Laboratory) of CPSC-Rockville shall be included. Contractor shall be responsible for contracting with rigging company for inside delivery. Protective measures for the floors and walls are to be used. See Attached B drawing for delivery and installation location.

b. The contractor shall provide inside delivery to the:

Laboratory of Sciences  
 Electrical Laboratory Division  
 Room 125 (Southwest Corner of the Room)  
 5 Research Place  
 Rockville, MD 20850  
 POC: List Scott

c. The contractor shall be responsible for contracting with a rigging company for the inside delivery. Protective measures of the floors and walls are to be used. See attached drawing for delivery and installation location.

## **7. CRATING AND SHIPMENT:**

The contractor shall be responsible for all crating and shipping of the system which shall be included in price. Dimensions of unit as moved within building to final location to be provided immediately after contract is awarded if building modifications to doorways will be required. Note doorway dimensions previously cited and attached floor plan.

## **8. INSTALLATION**

The contractor shall provide all installation services associated with the delivery and set up of equipment. The contractor shall utilize only factory trained personnel and the equipment shall be installed in southwest corner of Room 125 (Electrical Laboratory) of CPSC-Rockville as specified in paragraph 6b. See attached drawing for delivery and installation location.

## **9. TRAINING**

The contractor shall provide on-site training for a minimum of 4 people after installation and acceptance by CPSC staff. Training shall be a minimum of 4 days.

## **10. MAINTENANCE**

The contractor shall provide 1 preventive maintenance visit at 6 months after installation, checkup shall be included as part of the 2 year maintenance agreements.

## **11. QUALITY CONTROL:**

The contractor shall develop and maintain a quality control program that is in accordance with the commonly accepted commercial practices. The contractor shall also develop and implement a plan that will ensure that a state-of-the-art Cabinet Microfocus X-Ray Computer Tomography system will support all of the requirements that have been identified in paragraph 5.

## **12. LC 1B CONTRACTOR'S NOTE - DELIVERIES TO THE CPSC NATIONAL PRODUCT TESTING LABORATORY SITE, ROCKVILLE, MARYLAND**

The Consumer Product Safety Commission (CPSC) Laboratory facility is located in Rockville, MD. Deliveries are to be made to the loading dock area which is accessible from the parking area entrance on Research Place on the east side of the building. Do not enter the parking area from Research Court on the North side of the facility as there may not be sufficient room to maneuver and back up to the loading dock area on the east side of the building.

### **ATTENTION GOVERNMENT VENDOR:**

#### **A. DELIVERY INSTRUCTIONS**

##### **1. DELIVERY INSTRUCTION FOR SMALL ITEMS**

Deliveries should be made between 9:00 a.m. and 4:00 p.m. on Monday through Friday (except holidays). Deliveries outside these hours require prior arrangements.

**Contacts:**

Andrew Stadnik, Lab Director, 301-987-2037 x1 OR 301-706-6902

James Hyatt, 301-987-2240

Ed Krawiec 301-987-2209

Joel Recht, 301-987-2036

**2. DELIVERY INSTRUCTIONS FOR LARGE OR HEAVY ITEMS:**

Large or heavy items must be delivered directly to the loading dock. If delivery cannot be made to the loading dock directly or via the leveling device and requires off-loading the item from the delivery vehicle to the ground, then deliveries of such large or heavy items should be scheduled 24 hours in advance and should be made between 9:00 a.m. and 3:00 p.m. on Monday through Friday (except holidays). Contact information is the same as above to arrange for CPSC lift truck operators or other lifting and handling support needs for the delivery.

**13. BILLING INSTRUCTIONS**

Pursuant to the Prompt Payment Act (P.L. 97-177) and the Prompt Payment Act Amendments of 1988 (P.L. 100-496) all Federal agencies are required to pay their bills on time, pay interest penalties when payments are made late, and to take discounts only when payments are made within the discount period. To assure compliance with the Act, vouchers and/or invoices shall be submitted on any acceptable invoice form which meets the criteria listed below. Examples of government vouchers that may be used are the Public Vouchers for Purchase and Services Other Than Personal, SF 1034, and Continuation Sheet, SF 1035. At a minimum, each invoice shall include:

1. The name and address of the business concern (and separate remittance address, if applicable).
2. **Do NOT** include Taxpayer Identification Number (TIN) on invoices sent via e-mail.
3. Invoice date.
4. Invoice number.
5. The contract or purchase order number (see block 2 of OF347 and block 4 of SF1449 on page 1 of this order), or other authorization for delivery of goods of services.
6. Description, price and quantity of goods or services actually delivered or rendered.
7. Shipping cost terms (if applicable).

8. Payment terms.

9. Other substantiating documentation or information as specified in the contract or purchase order.

10. Name, title, phone number and mailing address of responsible official to be notified in the event of a deficient invoice.

**ORIGINAL VOUCHERS/INVOICES SHALL BE SENT TO:**

**U.S. Mail**

CPSC Accounts Payable Branch, AMZ-160  
PO Box 25710  
Oklahoma City, Ok. 73125

**FEDEX**

CPSC Accounts Payable Branch, AMZ-160  
6500 MacArthur Blvd.  
Oklahoma City, Ok. 73169

OR

Via email to:

[9-AMC-AMZ-CPSC-Accounts-Payable@faa.gov](mailto:9-AMC-AMZ-CPSC-Accounts-Payable@faa.gov)

Invoices not submitted in accordance with the above stated minimum requirements will not be processed for payment. Deficient invoices will be returned to the vendor within seven days or sooner. Standard forms 1034 and 1035 will be furnished by CPSC upon request of the contractor.

Inquiries regarding payment should be directed to the Enterprise Service Center (EXC), Office of Financial Operations, Federal Aviation Administration (FAA) in Oklahoma City, 405-954-7467.

**C. PAYMENT**

Payment will be made as close as possible to, but not later than, the 30<sup>th</sup> day after receipt of a proper invoice as defined in "Billing Instructions," except as follows:

When a time discount is taken, payment will be made as close as possible to, but not later than, the discount date. Discounts will be taken whenever economically justified. Otherwise, late payments will include interest penalty payments. Inquiries regarding payment should be directed to Debbie Young at 405-954-7467 or at the U.S Mail and Fedex addresses listed above:

Complaints related to the late payment of an invoice should be directed to Eldona Canterbury at the same the same address (above) or 405-954-5351.

Customer Service inquiries may be directed to Rachele Coleman @ [rcoleman@cpsc.gov](mailto:rcoleman@cpsc.gov)

#### **D. INSPECTION & ACCEPTANCE PERIOD**

Unless otherwise stated in the Statement of Work or Description, the Commission will ordinarily inspect all materials/services within seven (7) working days after the date of receipt. The CPSC representative responsible for inspecting the materials/services will transmit disapproval, if appropriate, to the contractor and the contract specialist listed below. If other inspection information is provided in the Statement of Work or Description, it is controlling.

#### **E. ALL OTHER INFORMATION RELATING TO THE PURCHASE ORDER**

Contact: Contract Specialist – Rudi M. Johnson at (301) 504- 7028

#### **F. PROCESSING INSTRUCTIONS FOR REQUESTING OFFICES**

The Purchase Order/Receiving Report (Optional Form 347 or Standard Form 1449) must be completed at the time the ordered goods or services are received. Upon receipt of the goods or services ordered, each item should be inspected, accepted (partial or final) or rejected. The Purchase Order/Receiving Report must be appropriately completed, signed and dated by the authorized receiving official. In addition, the acceptance block shall be completed (Blocks 32 a, b & c on the SF 1449 and column G and page 2 of the OF 347). The receiving report shall be retained by the requesting office for confirmation when certifying invoices.

#### **G. PROPERTY/EQUIPMENT PURCHASES**

In the case of Purchase Orders/Receiving Reports involving the purchase and receipt of property/equipment, a copy of the Purchase Order/Receiving Report must also be immediately forwarded directly to the Property Management Officer (Rey Garcia) in the Facilities Management Support Services Branch (Room 520). The transmittal of Purchase Orders/Receiving Reports to the property management officer is critical to the integrity and operation of CPSC's Property Management System. Receiving officials should also forward copies to their local property officer/property custodian consistent with local office procedures.

### **14. LC 5B PROJECT OFFICER DESIGNATION**

a. The following individual has been designated at the Government's Project Officer for this contract:

Name: Lisa Scott  
Division: Electric Sciences Division  
Telephone: 301-987-2064

b. The CPSC Project Officer is responsible for:

(1) monitoring the Contractor's technical progress, including surveillance and assessment of performance, and notifying the Contracting Officer within one week when deliverables (including reports) are not received on schedule in accordance with the prescribed delivery schedule.

(2) performing technical evaluation as required, assisting the Contractor in the resolution of technical problems encountered during performance; and

(3) inspection and acceptance of all items required by the contract.

c. The Project Officer is not authorized to and shall not:

(1) make changes in scope of work, contract schedules, and/or specifications to meet changes and requirements,

(2) direct or negotiate any change in the terms, conditions, or amounts cited in the contract; and

(3) take any action that commits the Government or could lead to a claim against the Government.

d. A clear distinction is made between Government and Contractor personnel. No employer-employee relationship will occur between government employees and contractor employees. Contractor employees must report directly to their company (employer) and shall not report to Government personnel.