

RE-BID NO.:641 PROJECT NAME & LOCATION Advanced Science Research Center

85 St. Nicholas Terrace New York, NY 10027

Description: Furnish, Deliver and Install Laser Curtains

Bid Open Location: DASNY

515 Broadway, Albany, New York

Bid Open Date: August 8, 2019

Bid Open Time: 2:30 p.m. Contact: Theresa Graffeo (518) 257-3583

#### **NOTICE TO BIDDERS**

# MAIL BIDS EARLY

Sealed bids will be received by DASNY at the above address for the items listed in the attached Bid Breakdown and Schedule. When submitting your bid you must:

- 1. Prepare your bid on the attached Bid Breakdown and Schedule. Return one signed original of the Bid Breakdown and Schedule
- 2. If your bid deviates from Specifications, explain such deviations or qualifications on your letterhead, setting forth therein such explanations, and attach them to the Bid Breakdown and Schedule.
- 3. Submission of a bid constitutes full knowledge and acceptance of all provisions of the Notice to Bidders, all information referenced in the Purchasing General Conditions, Supplemental and Detailed Specifications, the Bid Submission and any Supplemental General Requirements contained herein, as well as any addenda issued in relation to the Invitation for Bids.
- 4. Each bid shall bear on the outside of the envelope the name of the bidder, address, telephone number and designated as a bid for the following: DASNY Re-Bid No. 641 Furnish, Deliver and Install Laser Curtains

Bid Opening Date: August 8, 2019 @ 2:30PM

Return to: DASNY

Attn: Purchasing Unit

515 Broadway

Albany, NY 12207-2964



Re-Bid No.: 641

When a sealed bid is placed inside another delivery jacket, the bid delivery jacket must be clearly marked on the outside "BID ENCLOSED" and "ATTENTION: PURCHASING UNIT". The Dormitory Authority will not be responsible for receipt of bids which do not comply with these instructions.

- 5. Mail bid responses early in order for them to be received before the time of the bid opening. <u>Late bids will be automatically rejected</u>. Individuals submitting bids in person or by private delivery services should allow sufficient time for processing through building security to assure that the bids are received prior to the deadline for submitting bids. All individuals who plan to attend bid openings will be required to present government-issued picture identification to building security officials and obtain a visitor's pass prior to attending the bid opening.
- 6. In accordance with State Finance Law § 139-j and 139-k, this solicitation includes and imposes certain restrictions on communications between Dormitory Authority personnel and an Offerer during this procurement process. Designated contact for this solicitation is:
  Theresa Graffeo, Assistant Purchasing Coordinator, at Dormitory Authority State of New York, 515 Broadway, Albany, NY 12207,(518) 257-3583.
  Contacts made to other Dormitory Authority Personnel regarding this procurement may disqualify the Offerer and affect future procurements with governmental entities in the State of New York. Please refer to the Authority's website <a href="www.dasny.org">www.dasny.org</a> for Authority policy and procedures regarding this law, or the NYS office of General Services website <a href="www.ogs.ny.gov/BU/PC/">www.ogs.ny.gov/BU/PC/</a> for more information about this law.



Re-Bid No.: 641

# If you are not submitting a bid it is requested that you complete and return the lower portion of this form

(Please check all that apply and provide comments in the space provided, if necessary)

We are not Submitting a bid.			We Request removal of our name from the mailing list.				
Location of the job site.			Commodity is n	s not carried by our company.			
☐ Scope is too large.							
Other/Additional Explanation:							
NAME OF BIDDER:							
ADDRESS							
:	Street Telephone		City		State	Zip	
Signature of Bidder					Offi	icial Title	



## **CLAUSES PURSUANT TO THE OMNIBUS PROCUREMENT ACT OF 1992**

It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority and woman-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York subcontractors and supplies is available from:

Empire State Development Small Business Division 30 South Pearl Street, 7<sup>th</sup> Floor Albany, NY 12207

Phone: (800) 782-8369

A directory of minority and woman-owned business enterprises is available from:

Empire State Development Division of Minority and Women Business Development 30 South Pearl Street Albany, NY 12207

Phone: (518) 292-5250

Online Directory: https://ny.newnycontracts.com/FrontEnd/VendorSearchPublic.asp

DASNY maintains a directory of minority and women-owned business enterprises: http://www.dasny.org/construc/mwsbereg/index.php

The contractor acknowledges notice that New York State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

DASNY encourages the use of recycled Materials in the manufacturing process. To that end, the recycled product must meet the same codes, specifications and standards the non-recycled materials do, including requirements for cost, installation, aesthetics, availability and maintenance.



The Omnibus Procurement Act of 1992 and § 2879 of the NYS Public Authorities Law require that by signing this bid, contractors certify that whenever the total bid amount is greater than \$1 million:

- 1. The contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and Subcontractors on this project, and has retained the documentation of these efforts to be provided upon request to the State. If the contractor determines that NYS business enterprises are not available to participate on the contract as subcontractors or suppliers, the contractor shall provide a statement indicating the method by which such determination was made. If the contractor does not intend to use subcontractors, contractor shall provide a statement verifying such;
- 2. The contractor has complied with the Federal Equal Opportunity Act of 1972 (PL 92-261), as amended;
- 3. The contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The contractor agrees to document these efforts and to provide said documentation to the State upon request;

DASNY is required by law to notify the NYS Department of Economic Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.



# **GENERAL SPECIFICATIONS**

- (1) The enclosed Purchasing General Conditions are hereby incorporated by reference. Submission of a bid response shall constitute acceptance of such conditions. Any exceptions/clarifications/qualifications to these conditions or other specifications and/or requirements contained herein must be clearly stated in the bid response and, depending upon the nature of such, may be grounds for rejection of your bid.
- (2) Bids must be submitted in the bidder's full legal name, or the bidder's full legal name plus a registered assumed name, if any.
- (3) All NYS bidders are required to be registered to do business with the NYS Department of State or their local County Clerk, whichever is applicable.
- (4) All out-of-state bidders will be required to provide proof of registration to do business in their state. All out-of-state bidders that "do business in New York State" MUST BE REGISTERED WITH THE NYS DEPARTMENT OF STATE. Please contact the NYS Department of State at (518) 473-2492. Information is available at the DOS website: <a href="https://www.dos.ny.gov">www.dos.ny.gov</a>
- (5) DASNY is required by law to notify the Empire State Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.
- (6) Empire State Development is required by law to identify states and other jurisdictions that impose preferences or other penalties against New York bidders. DASNY is precluded from soliciting bids or entering into procurement contracts with companies that have their principal place of business located in one of the listed jurisdictions, unless the procurement is for a product that is substantially manufactured in New York State or the services are to be performed in New York State. Currently, this list of jurisdictions includes the states of Alaska, Hawaii, Louisiana, South Carolina, West Virginia and Wyoming.
- (7) Unless otherwise indicated, any reference to brands or model numbers is intended to establish a standard. Items of all manufacturers will be considered, provided the item is determined to meet or exceed the required specification. DASNY's decision as to whether a substitute item meets specification will be final. Your attention is directed to Article II-7, Page 5 of the General Conditions. In order to evaluate substitute items, detailed specifications must be submitted for any product that is other than the one(s) specified in the bid.



## GENERAL SPECIFICATIONS CONTINUED

- (8) Unless otherwise noted, guarantee on all items is to be one year as detailed in Article XVI of the General Conditions
- (9) All upholstered furniture and drapery panels and lining must meet strict flammability requirements. Standards applicable to this bid, if any, will be delineated in the Detailed Specifications.
- (10) LABOR/TRADES Any labor, materials or means whose employment, or utilization during the course of this contract, shall not in any way cause or result in strike, work stoppages, delays, suspension of work; or similar troubles by workers employed by this contractor or his subcontractors, or by any of the trades working in or about the buildings and premises where work is being performed. Any violation by the contractor of this requirement may in the sole judgment of DASNY be considered as proper and sufficient cause for declaring the contractor to be in default, and for the owner to take action against him as set forth in the Purchasing General Conditions, Article VIII, "Termination", or such other action as DASNY may deem proper.
- (11) Bid results are available on the DASNY website (<u>www.DASNY.org</u>). Bid results will not be given over the phone.
- (12) If you are a NYS Certified Minority or Women Owned Business, please include a copy of your certification with the bid.



ALFONSO L. CARNEY, JR. Chair

GERRARD P. BUSHELL. Ph.D. President & CEO

#### SUPPLEMENTAL SPECIFICATIONS

The following items are attached for informational purposes. Referenced documents need not be	
returned with the proposal. These documents are only applicable to the successful bidder and the ensuing	
procurement contract. Documents are only applicable to the successful bidder and the ensuing procurement	
contract. Documents applicable to the procurement that will result from this Invitation for Bids are designat	ed
by a check box (🖂). Unless otherwise indicated, the referenced documents are located at the end of this	
Invitation for Bids.	

- $\boxtimes$ Purchasing General Conditions – The DASNY Purchasing General Conditions contains terms and conditions of purchases made by DASNY. It is recommended that this document be reviewed fully.
- $\boxtimes$ M/WBE Utilization Plan and Request for Waiver - Minority and Women-Owned Business Enterprise (M/WBE) goals for this project are 18% and 12%, respectively. The successful bidder shall be required to complete a Utilization Plan or Request for Waiver, to be approved by DASNY's Opportunity Programs Group. Reference Purchasing General Conditions, Article XIX, Affirmative Action for Contracts Mr. Michael Clay, DASNY Opportunity Programs Group at (518) 257-3464, is available to assist all bidders in attaining these goals. Reference the enclosed "Good Faith Efforts Guidelines".
- $\boxtimes$ Supplemental General Requirements – Attached (if applicable) are the Supplemental General Requirements (SGRs) which provide important logistical information and additional conditions which govern this procurement. Please read these SGRs carefully.
- $\boxtimes$ Form of DASNY Contract – The procurement resulting from the Invitation for Bids will be executed through a DASNY purchase order and a related contract. The contract executed with the successful bidder will be in the same substantial form as the attached "Form of Contract". Note that this Invitation for Bids and any response to such will be annexed as binding terms of the purchase agreement.
- XCertificate of Insurance (sample enclosed) – The successful bidder will be required to provide a Certificate of Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. The certificate shall name DASNY and other designated parties as additional insureds.

**CORPORATE HEADQUARTERS** 515 Broadway

Albany, NY 12207-2964

**T** 518-257-3000 **F** 518-257-3100 **NEW YORK CITY OFFICE** 

One Penn Plaza, 52nd Floor New York, NY 10119-0098

**T** 212-273-5000 **F** 212-273-5121

**BUFFALO OFFICE** 539 Franklin Street Buffalo, NY 14202-1109

**T** 716-884-9780 F 716-884-9787

DORMITORY AUTHORITY STATE OF NEW YORK

WE FINANCE, BUILD AND DELIVER.



# ALFONSO L. CARNEY, JR.

**GERRARD P. BUSHELL, Ph.D.** 

President & CEO

# SUPPLEMENTAL SPECIFICATIONS CONTINUED

$\boxtimes$	Worker's Compensation / Disability Insurance - The successful proposer will be required to provide
	specific documentation with respect to Worker's Compensation and Disability Insurance pursuant to
	Article XIV of the enclosed Purchasing General Conditions. Requirements are detailed in the enclosed
	"Workers' Compensation and Disability Benefits Requirements" document.

- Prevailing Wage Schedule NYS Labor Law requires all wages paid by contractors and subcontractors on public work projects be paid at the prevailing wage rates. Enclosed is the current rate schedule for the appropriate county. Contractors and Subcontractors are responsible for obtaining current rates throughout the course of the project. The NYS Department of Labor (NYS DOL) updates these rates on July1st of each year. Current rates can be obtained on the NYS DOL website (<a href="www.labor.state.ny.us">www.labor.state.ny.us</a>) or by fax at (518) 485-1870. Note that an executed Contractor and Subcontractor Certification and certified payrolls, which include the hours and days worked by each workman, laborer or mechanic, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, must be submitted with each and every payment requisition. <a href="mailto:DASNY will not process an invoice without this information">DASNY will not process an invoice without this information</a>. Forms are available on the DASNY website:

  <a href="http://www.dasny.org/construc/forms2/yendors.php">http://www.dasny.org/construc/forms2/yendors.php</a>
- Labor and Material Payment Bond − The successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of the DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
- Performance Bond The Successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
- Standard Vendor Responsibility Questionaire (SVRQ) The successful proposer, in accordance with Article XXII of DASNY Purchasing General Conditions, will be required to complete the enclosed SVRQ. The award of a contract will be subject to a review of the information contained in these forms.

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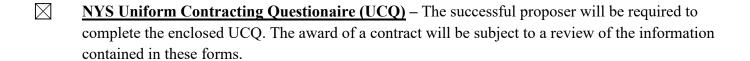


ALFONSO L. CARNEY, JR. Chair

**GERRARD P. BUSHELL, Ph.D.** 

President & CEO

# SUPPLEMENTAL SPECIFICATIONS CONTINUED



DASNY Contractor and Consultant Questionaire (CCQ) — The successful proposer will be required to complete the enclosed CCQ. The award of a contract will be subject to a review of the information contained in these

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# SUPPLEMENTAL GENERAL REQUIREMENTS

# **Requests for Information:**

All questions pertaining to Re-Bid No. 641 – Furnish, Deliver and Install Laser Curtains are due no later than 4:00 p.m. on August 2, 2019 to tgraffeo@dasny.org. RFI Responses will be posted via Addenda to DASNY's Website in the Attachments Section of the Bid Opportunity Page for Re-Bid No. 641.



ALFONSO L. CARNEY, JR. Chair GERRARD P. BUSHELL, Ph.D. President & CEO

# **SCOPE OF WORK**

Furnish and install new Laser Curtains as specified per the bid documents and as follows:

# **Furnish and Install Items:**

- 1) Furnish and installation of new heavy duty Laser track with supports fastened to structure above.
- 2) C-15 Certificates and tags for each room.
- 3) Shop drawings of all rooms with curtains.
- 4) 8 Window Covers at 25.5" x 31.25"
- 5) 8 Window Covers at 25.5" x 48.5"

# **Furnish ONLY items:** (installation by General Contractors Electrician):

- 1) 6 of Entry Guard Control Panels
- 2) 13 of Entry Guard illuminated dual status signs
- 3) 21 of Entry Guard magnetic safety interlocks
- 4) 21 of Entry Guard dual interlock receptacles
- 5) 42 of Entry Guard interlock connector plugs
- 6) 21 of Entry Guard emergency stop switches



ALFONSO L. CARNEY, JR. Chair

**GERRARD P. BUSHELL, Ph.D.** President & CEO

# **DETAILED SPECIFICATIONS and DRAWINGS**

See attached

Albany, NY 12207-2964

#### **SECTION 11 5363**

## LASER SAFETY EQUIPMENT

#### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Laser curtain, track, and hardware.
- B. Laser entry control system.

#### 1.2 REFERENCE STANDARDS

A. ANSI Z136.1 - Safe Use of Lasers.

#### 1.3 SUBMITTALS

- A. Product Data:
  - For laser curtain and track. Include data on physical characteristics, durability, fade resistance, and performance and flame-resistance characteristics.
  - 2. For laser entry control system: Include product data electrical requirements.
- B. Shop Drawings: Indicate locations and mounting details for laser curtain track and entry control system.
  - 1. For laser curtain and track. Include plans, details, and locations.
  - 2. For entry control system. Submit plans, details, locations, wiring and control diagrams, and design and testing data.
- C. Samples: In sets for each color, texture, and pattern specified.
- D. Certificate: Submit manufacturer's documentation that curtain meets specified requirements.
- E. Maintenance Data: Include operation and maintenance information for laser curtains and laser entry control system in the operation and maintenance manual.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Installers shall have minimum five years of documented experience for installation of products of this Section.
  - 1. Laser Entry Control System: Installers shall be approved by system manufacturer.
- B. Single Source: Provide laser curtains and track assemblies by a single manufacturer.

#### 1.5 PROJECT CONDITIONS

A. Environmental Limitations: Do not install laser curtains and laser entry control system until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

#### **PART 2 - PRODUCTS**

#### 2.1 LASER CURTAIN AND TRACK

- A. Manufacturers: Provide products by one of the following:
  - 1. Beamstop'r Laser Barriers, Inc.: www.beamstopr.com.
  - 2. Kentek; Flex-Guard: www.kentek-laser.com.
  - 3. Rockwell Laser Industries, Inc.: www.rli.com.
- B. Laser Curtain Fabric: Oil and water resistant and permanently flame resistant, with double-vinyl black color laminated to back for opacity.
- C. Curtain Performance:
  - 1. Flame Resistance: Meet requirements of State of California test and in accordance with NFPA Standard No. 701-2010, test methods 1 and 2.
  - 2. Rating: 100 Watts/sq. cm.
  - Threshold limit for beam penetration through the curtain at the minimum distance indicated on the Drawings shall not be exceeded for exposure time of 60 seconds.
  - 4. No part of curtain or track shall release toxic fumes following laser exposure.
- D. Extruded Aluminum Track: Minimum 1-1/4 inches wide by 3/4 inch high, with minimum wall thickness of 0.062 inch.
  - 1. Finish: Satin anodized.
- E. Track Accessories: Fabricate splices, corners, end caps, connectors, end stops, coupling and joining sleeves, wall flanges, brackets, ceiling clips, Velcro strips, and other accessories from same material and with same finish as track.
- F. Curtain Carriers: Two nylon rollers and nylon axle with rustproof wire and bead chain and chrome-plated steel or aluminum hook.
- G. Exposed Fasteners: Stainless steel.
- H. Concealed Fasteners: Hot-dip galvanized.
- Curtain Fabrication:
  - 1. Curtain Size: Make curtains at least 10 percent wider than track length and long enough to overlap finished floor minimum 2 inches. Bottom of curtain shall be weighted.
    - a. Provide curtains with front and rear valances for light trap. Valances shall be same material as curtains with sewn-on Velcro strip for mounting.
    - b. Curtains shall conform to ANSI Z136.1 "Safe Use of Lasers"
  - 2. Construction: Sewn flat with 10 percent fullness.
  - 3. Curtain Lengths: 1/4 inch above finished floor.
  - 4. Seams: French-style with no visible raw edges.
  - 5. Top Hem: Heavy gauge fabric reinforcing strip in top hem; brass grommets at 8 inches o.c.
  - 6. Bottom Hem: Weighted.
  - 7. Edges: Provide hook and loop sealing strips at outside vertical edges to provide light trap overlaps attachment to walls.
  - 8. Sew curtains using lock stitch and in a manner so that fabric is not pierced in a way that will allow light through the needle holes.
  - Sew side and bottom hems French style with no visible raw edges. Crooked or selvaged edges in lieu of side or bottom hems are prohibited. Overlap vertical seams and provide with Velcro strips to facilitate "light-trap" overlaps.

- 10. Provide stay-put type fastners as indicated on Drawings.
- J. Provide laster curtain interlock assembly as indicated on Drawings.

#### 2.2 LASER ACCESS CONTROL SYSTEM

- A. Manufacturers:
  - 1. Kentek Corporation: www.kentek-laser.com. Basis of design as follows:
    - a. Control Module: ETG-CP Entry-Guard.
    - b. Status Sign: ETG-DLS-2 Entry-Guard.
    - c. Emergency Stop Switch: ETG-ES-F Entry-Guard.
    - d. Safety Interlock: ETG-INLK Entry-Guard.
    - e. Dual Interlock Receptacle: ETG-X1 Entry-Guard.
    - f. Interlock Connector Plug: ETG-X2 Entry-Guard.
  - 2. Rockwell Laser Industries, Inc.: www.rli.com.
- B. Laser Access Control System: Integrated system to control entry to and egress from laser operation areas and laser emission to areas where there is accessible or exposed laser energy, meeting requirements of ANSI Z136.1.
- C. System Components:
  - 1. Main Control Module: Wall-mounted, painted metal enclosure with front-mounted controls, housing microprocessor controller. Front panel controls include the following:
    - a. Key lock.
    - b. System power key switch.
    - c. Start, Stop, Exit, and Emergency Stop buttons.
    - System status indicators including, but not limited to, Power On, Entryway/Doors Closed, and Interlock/Maglock On.
  - 2. Magnetic door locks.
  - 3. Entry keypads.
  - 4. Remote pushbuttons.
  - 5. Emergency access switches.
  - 6. Emergency stop buttons.
  - 7. Laser interlock or shutter.
  - Illuminated safety signs.
    - Metal, lighted sign box with translucent plastic laser status signs; back-mounted or edge-mounted as required.
    - Two-way and two color to indicate Safe No Laser Hazard and Danger Laser Radiation.
  - 9. Nondefeatable safety latches.
  - 10. Circuitry.
  - 11. Accessories: Manufacturer's standard.
- D. Entry Laser System Operation and Controls:
  - 1. Emergency stop and external emergency access controls.
  - 2. Isolated, normally open, relay closures for control of laser interlocks and shutters.
  - 3. Isolated, normally open/normally closed, auxiliary laser interlock relays.
  - 4. Isolated, magnetic, door latch relay.
  - 5. Universal interface to entry key cards or dedicated key pads.
  - 6. Automated, illuminated laser safety sign control.
  - 7. Audible indicator for interlock teimout and exit delay (defeatable).
  - 8. Adjustable exit delay; 5 to 90 seconds.
  - Automatic shutdown of lasers and unlocking of doors by building fire or evacuation alaram.

- 10. Automatic shutdown of lasers when access parameters are violated.
- 11. Optically isolated external inputs.
- 12. Two, automatic, warning sign modes.
- 13. Easy remote of system Enable and Exit Request controls.
- 14. External computer/access controller monitor interface.
- 15. Full function diagnostic indicators.
- 16. Built-in, low voltage power supply.

#### **PART 3 - EXECUTION**

#### 3.1 INSTALLATION

- A. General: Install tracks level and plumb, according to manufacturer's written instructions. Provide track fabricated from one continuous length, up to 16 feet.
- B. Track Accessories: Install splices, corners, end caps, connectors, end stops, coupling and joining sleeves, and other accessories as required for a secure and operational installation.
- C. Curtain Carriers: Provide enough curtain carriers for 6 inch spacing along full length of curtain plus an additional carrier.

## 3.2 CLEANING AND ADJUSTING

- A. Press curtain material to remove folds, creases, and wrinkles.
- B. Repair or remove and replace defective work. Repairs shall be indistinguishable from undamaged curtain and track.
- C. Clean curtains and tracks. Touch up damaged track finish.

**END OF SECTION** 

