



University of South Carolina
 Purchasing Department
 1600 Hampton Street, 6th floor
 Columbia, SC 29208
 Telephone: (803) 777-4115

Request for Quotation

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THIS IS NOT AN ORDER

Quotation must be received No Later Than:	Send quotation to above address Attention of:	Quotation Number:	Date
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Print company name and address:

Please quote your lowest delivered price of the items(s) listed below. The Purchasing Department reserves the right to reject any or all quotes and to waive any or all technicalities.

1. If an item cannot be furnished, indicate by **NO QUOTE**.
2. All quotes must be signed by the vendor's representative and terms noted, failure to comply with this instruction may result in disqualification of the quote.
3. **FAXED QUOTES ACCEPTABLE.** FAX # (803) 777-2032

Federal I.D. or Social Security No. _____ SC Minority Certification Number (If Applicable) _____

Submitted By (Print Name) _____ Signature _____ Telephone _____

Item No.	Quantity and Unit	Description of Commodity or Services	Unit Price	Total Price

GENERAL CONDITIONS

DEFAULT: In case or default by the Contractor, the University of South Carolina reserves the right to purchase any or all items in default in the open market, charging the Contractor with any additional costs. The defaulting Contractor shall not be considered a responsible bidder until the assessed charge has been satisfied.

All amendments to and interpretation of this RFQ shall be in writing. The procurement officer shall not be legally bound by any amendment or interpretation that is not in writing.

SC/US PREFERENCE: In order to receive the South Carolina/United States made, manufactured or grown end-product preference, you must check the appropriate space (s) provided on the face of the quotation form. This preference does not apply to services.

Any contract entered into by the University of South Carolina or its agencies resulting from this quotation shall be subject to cancellation at the end of any fiscal or appropriated year unless otherwise provided by law.

Payment will be made in accordance with Section 11-35-45 of the South Carolina Consolidated Procurement Code and Disbursement Regulations. Delay in receiving invoices, as well as errors and omissions on the invoices, will be considered just cause for withholding payment without losing discount privileges. The University reserves the right to withhold payment or make such deductions as may be necessary to protect the University from loss or damage because of defective work, claims, damages or to pay for repair of correction of materials furnished hereunder.

Quoted prices must remain firm for a period of thirty days beyond the Request for Quotation deadline. Unit prices will govern over extended prices unless otherwise stated.

The University of South Carolina shall consider payment discounts in the award of this contract when such discounts are for thirty days or more after final inspection and acceptance of contract requirements. Payment discounts for less than thirty days are encouraged but shall not be a factor in award determination. Please state your discount terms using the above referenced information as the University's position on the matter.

All materials and products offered must be guaranteed to meet and comply with the requirements all the specifications, terms and conditions indicated or referred to.

The award will be made in accordance with Section 11-35-1520 of the South Carolina Consolidated Procurement Code.

The University reserves the right to reject any and all quotations and to cancel the solicitation; waive any and all technicalities; the University reserves the right to reject any quotation in which the delivery time indicated to be of substantial length to cause disruption and/or delay in operation for which the item(s) is/are intended; ambiguous quotations which are uncertain as to terms, delivery, quantity or compliance with specifications may be rejected.

The successful contractor assumes sole responsibility and shall hold harmless the University of South Carolina, its directors, officers, employees and agents from and against any and all claims, actions or liabilities of any nature which may be asserted against them by third parties in connection with the performance of the successful bidder, its directors, officers, employees and agents under this agreement. The University of South Carolina agrees to accept responsibility for claims, actions or liabilities resulting from negligent acts of its employees occurring within the scope of their employment which may be asserted against them by third parties in connection with the performance of the University of South Carolina, its members, directors, officers, employees and agents under this agreement.

Contractor agrees not to refer to award of this contract in commercial advertising in such a manner to state or imply that the products or service provided are endorsed or preferred by the user.

Upon award of a contract under this quotation, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina that require such person or entity to be authorized and/or licensed to do business in this State. Notwithstanding the fact that applicable statutes may be exempt or exclude the successful quoter from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed quote, the quoter agrees to subject itself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses or fees levied by the State.

Termination: Subject to the provisions below, the contractor may be terminated for any reason by the University providing a thirty-day advance notice in writing is given to the contractor.

Termination for Convenience: In the event that this contract is terminated or cancelled upon request and for the convenience of the University may negotiate reasonable termination costs, if applicable.

Termination for Cause: Termination by the University for cause, default, or negligence on the part of the Contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty day advance notice requirement is waived and the default provision in this bid shall apply.

HIPAA Law: The Contractor agrees that to the extent that some or all of the activities within the scope of this Contract are subject to the Health Insurance Portability Accountability Act of 1996, P.L. 104-91, as amended (“HIPAA”), or its implementing regulations, it will comply with the HIPAA requirements and will execute such agreements and practices as the University of South Carolina may require to ensure compliance. Additional information may be viewed at: <http://www.sc.edu/hipaa/>

SPECIAL CONDITIONS

LICENSES, PERMITS, INSURANCE: All costs for required licenses, permits and insurance shall be borne by the Bidder.

The University of South Carolina requires all contractual activities to be performed in a manner that is consistent with all applicable federal, state and local laws, regulations, rules, rulings and ordinances. These include, but are not limited to: the Occupational safety and Health Act, The Environmental Protection Act, The South Carolina Hazardous Waste Management Act.

IMPORTANT – Please Note

Vendors, we **MUST** have your Federal ID # (company) or Social Security # (individual) before processing any invoices for payment. Failure to provide this information will result in delay of payments until this information is received. Please include this information with your quote.

Scope of Work:

It is the intent of the University of South Carolina to solicit bids from qualified vendors to design, fabricate, test and install Electromagnetic Pulse (EMP) Shielding System in accordance with all requirements stated herein.

Submit Questions or Requests to:

Lana Widener, Procurement Officer

e-mail: llw@sc.edu

fax: 803-777-2032

Deadline for Questions or Requests for Approval for Substitutions:

Thursday, July 11, 10:00 AM

ELECTROMAGNETIC PULSE SHIELDING SYSTEM

1.1 SUMMARY

- A. The contractor shall, design, fabricate, simulate and install an Electromagnetic Pulse (EMP) Shielding System comprised of the ceiling, floor, and walls in the future location of the University of South Carolina Lighting Strike Facility – Ground Floor of Horizon Research facility at the corner of Blossom and Main Streets.
- B. The shielding contractor shall design, fabricate, simulate and install an EMP Shielding system. This system, designed by the shielding contractor, will perform the following:
 - 1. Reduce a transient electromagnetic pulse magnetic fields of greater than 250 mG peak to a magnitude of 1 mG peak and less;
- C. Shielding contractor's submitted design shall be considered proprietary, and the contractor will be responsible for a performance guarantee of the design.
- D. The design submitted for installation under this section should consist of all labor, materials, appliances and equipment necessary in performing all operations in connection with the furnishing and installation of EMP magnetic shielding system.

1.2 SUBMITTALS

- A. Product Data: Submit for review and describe properties of items to be used to fabricate the EMP magnetic shielding system walls, floor, and. Include the following:
 - 1. Proposed EMP Shielding System design drawings, samples of proposed materials, fasteners, and other components, including any cut-sheets of equipment.
- B. Shop Drawings: Submit for review and show drawing details of items to be used to fabricate and install the EMP magnetic shielding systems walls, floors, and ceilings. Shop drawings are to include the EMP shielding system. This includes, but is not limited to, structural anchoring, material, components and attaching accessories.
- C. Samples for Verification: Submit for action and review. Furnish small samples of the EMP shielding materials (approximately 6" squares). The samples shall show verification of stock and grade. Also, submit samples of all anchors, screws and accessories used to secure the shielding material.

1.3 QUALITY ASSURANCE

A. Qualifications

1. A Design-build contract, with performance guarantee is recommended for this project.
2. Contractor: EMF/EMI Contractor is responsible for quality control of the work and specified Shielding Performance Guarantee.
3. Designer/Fabricator/Installer: A qualified EMF/EMI shielding contractor with a minimum of ten (10) years of experience in successfully fabricating and installing work similar to this project with sufficient production capacity to complete the shielding project without causing delay in the work.

B. Regulatory Requirements

1. Comply with all applicable requirements of the laws, codes, ordinances and regulations of Federal, State, and Municipal authorities having jurisdiction. Obtain necessary approvals and/or permits from all such authorities.

C. Single Source Responsibility

1. Obtain materials from a single manufacturer for each different product required.

D. Pre-Installation Meetings

1. Contractor to conduct meetings at site with installer prior to start of Work. Familiarize installer with conditions at site and related Work. Provide notice of Pre-Installation meeting to the Owners representative at least two days in advance.

E. Contractor Responsibility

1. Correctness between drawings and actual physical dimensions of the floors, walls and ceiling to be shielded, including constructed extensions and surface walls.
2. Material quantities necessary to completely cover the walls, floors and ceiling surfaces with shielding materials required to meet the performance requirements
3. Accurate substrate fabrication procedures (cutting and joint preparation) according to the final shop and fabrication drawings submitted for review.

4. Precise installation of all shielding materials to ensure proper performance.
5. All construction means, methods, techniques, sequences and procedures of shielding construction; and, the coordination of this work with all other trades.

1.4 DELIVERY, STORAGE, AND HANDLING

A. General

1. Upon material delivery, carefully unload all shielding materials. Coordinate with the Owners representative at least five working days before delivery for lay down and storage locations.

PART 2 - PRODUCTS

Not applicable

PART 3 - EXECUTION

3.1 EXAMINATION

A. Site Verification of Conditions

1. Examine and correct conditions of the area to receive the Work prior to the installation.

3.2 PREPARATION

A. Field Measurements

1. Shielding Contractor will be responsible for field measurements prior to the preparation of the shop drawings and fabrication where possible to ensure proper fitting of the work.

3.3 EXAMINATION

A. Final Examination

1. Once area to receive work has been cleaned, conduct a final examination prior to start of work.

3.4 ERECTION / INSTALLATION / APPLICATION

A. General

1. Shielding Contractor shall specify and coordinate the requirements for fabrication and installation of the EMP shield walls, floors, and ceilings per the contractors design

B. Shield Penetrations

1. Detailed penetration schedule will be provided in the Drawings for the EMP room shielding systems for control, electrical power and all other ancillary services supplied in support of shielded rooms.

3.5 FIELD QUALITY COINTROL

A. Site Test

1. EMF Consultant shall be engaged at the Owner’s expense and discretion, and perform the following activities at the Owner’s direction. Work not meeting specified requirements shall be corrected at no cost to the Owner by the installer.

B. Testing

1. After the EMP magnetic shielding walls, floors, and ceilings has been installed, timed magnetic flux density readings will be recorded over 10 minutes at the appropriate sampling rate with appropriate calibrated three-axis “meters” with sufficient resolution to demonstrate shielding performance outside the EMP shield at a distance from the shield wall of 1- and 2-meters, at the Owner’s expense, by a qualified EMF Consultant with five (5) years of EMF engineering experience, to verify the shielding performance objective.
 - a. Magnetic fields shall be 1 mG peak in the Bx, By and Bz axes measured at 1- and 2-meter(s) from the exterior wall as stated in paragraph 3.7 Demonstration sections a, b & c.
 - b. Use the calculated load multiplier to estimate worst-case emission levels during peak summer loads. Verify EMP magnetic shield complies with Shielding Performance Objective.
 - c. The decision of the EMF Consultant on acceptability shall be binding on the contractor.
 - d. Shielding Contractor shall repair or replace defective work, including other work affected thereby and conduct additional testing to the satisfaction of the EMF Consultant, at no additional expense to the Owner.

3.6 ADJUSTING AND CLEANING

A. General

1. At the end of each work-day remove unused materials, debris and containers from the site.

3.7 DEMONSTRATION

A. Final Site Survey

1. Shielding Performance can be demonstrated by conducting a final site survey which compares the actual recorded values to predicted/simulated values.

B. EMP Magnetic Shielding Performance Requirement Exterior to Shield.

1. 1 mG peak and less in the Bx, By, and Bz axis measured outside the future shielded space at a distance of 1 and 2 meter(s) over a complete operational cycle of the lighting generation equipment.
2. Shield will be compared to initial design, as described above.

3.8 PROTECTION

A. General

1. Shielding contractor shall protect the Work so it will not deteriorate or be damaged. Remove protection at time of Substantial Completion.

BID SCHEDULE

Item	Qty	Unit of Measure	Description	Unit Price
1	1	Each	Design, Fabricate, Test, and Install EMP Shielding System	\$ _____

Estimated Delivery Date: _____