



UNIVERSITY OF
SOUTH CAROLINA

Request for Quotation
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THIS IS NOT AN ORDER

Purchasing Department | 1600 Hampton Street, Suite 606 | Columbia, SC 29208 | (803) 777-4115

Quotation must be received no later than: 9:00 AM 11 26 2019	Send Quotation to above address at Attention of: Dennis Gallman	Solicitation Number: USC-RFQ-3570-DG	Posting Date: 11 18 2019
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Print company name and address:

Please quote your lowest delivered price of the item(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 with "No Quote."
2. All Quotes must be signed by the vendor's representative per the terms noted. Failure to comply with these instructions may result in disqualification of the quote.
3. Faxed or E-mailed Quotes are acceptable. FAX # (803) 777-2032

Federal I.D. or Social Security No. _____ SC Minority Certification Number (if applicable). _____

Submitted By (Print Name) _____ Signature _____

Phone Number _____ E-mail _____

Item #	Quantity and Unit	Description of Supplies or Services	Unit Price	Extended Price
1	1 Lot	Furnish/Deliver Tergeo Plasma Cleaner	See Bid Schedule	
		Point of Contact: Dennis Gallman		
		Email: gallmand@mailbox.sc.edu		
		Vendor Email: _____		
		A faxed or e-mailed quote is acceptable.		
		Quote only as specified. Do not include sales tax.		
		Deliveries Shall be FOB Destination.		
		Award to be made to one vendor.		
		Vendor must bid on all items		

BID SCHEDULE/SPECIFICATIONS

USC-RFQ-3570-DG

Item	Qty	Unit of Measure	Description	Price
1	1	ea	75Watt 13.56MHz Tergeo Plasma cleaner	\$ _____

75Watt 13.56MHz Tergeo plasma cleaner

Thick-wall quartz tube (5mm thickness) with inner diameter 110mm and outer diameter 120mm, depth 280mm. Maximum sample size 4"X11"

In-situ plasma source for immersion mode cleaning.

75Watt 13.56MHz high-frequency rf supply with **automatic** impedance matching. Adjustable from 1 to 75Watt at 1-watt interval

7-inch resistive LCD industrial touchscreen controller

Fully automatic operation with 20 recipe support

Job sequence mode operation execute three cleaning steps

Two mass flow controller (MFC) regulated gas inputs (support up to three MFC upon request)

Premium pressure sensor from **MKS Instruments** (1E-4Torr to atm)

Venting/purging port with electronic solenoid valve (Swagelok 1/4" compression fitting)

One pumping port with electronic shutoff valve and standard NW/KF25 vacuum port

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description	Price
2	1	ea	Rotary vane vacuum pump filled with inert Krytox 1514 PFPE pump oil. Compatible for oxygen service. Ultimate pressure 5-15mTorr	\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
3	1	ea	Edwards nXDS6i dry scroll pump. Ultimate pressure 15~50mTorr		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
4	1	ea	Edwards nXDS10i dry scroll pump. Ultimate pressure 5-20mTorr		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
5	1	ea	Increase RF power from 75Watt to 150Watt (13.56MHz)		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
6	1	ea	Integrated remote plasma source for downstream cleaning mode		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
7	1	ea	Tergeo plus, Increase chamber to OD170mm, ID 160mm, depth 280mm		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
8	1	ea	Third MFC regulated gas input		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
9	1	ea	Dust particle filter for using room air to generate plasma and/or vent chamber		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
10	1	ea	Adjustable venting gas flow rate control valve for small, light or power samples		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description		Price
11	1	ea	Two year warranty		\$ _____

Resident Vendor Preference _____

SC End Product Preference _____

US End Product Preference _____

Item	Qty	Unit of Measure	Description	Price
12	1	ea	Any applicable Academic discount	\$ _____

Total (Line Items 1-11) Less any applicable Academic discount \$ _____

Note: The commodity preferences do not apply to a single unit of an item with a price in excess of \$50,000 or a single award with a total potential value in excess of \$500,000. [11-35-1524(E)(2)] or a single award with a total potential value in excess of \$5000.

NOTE: Vendor must quote on all line items

ADDITIONAL SPECIFICATIONS:

1. Radio frequency (13.56 MHz) driving frequency
2. Automatic tuning/matching of the radio frequency _eld
3. Ability to run continuously at a power of 150 watts without operator intervention for at least 168 hours
4. Quartz chamber with inside diameter no less than 160 millimeters and length no less than 200 millimeters
5. Capability to use at least two gas inputs simultaneously
6. No less than two mass ow controllers
7. Compatible with oxygen and tetrauroromethane gases
8. Ability to operate in a pulsed manner (automatic ignition/extinction of the plasma)
9. Ability to operate with both direct (from immersion in the plasma) and indirect (from an upstream source) plasma exposures
10. Powered with 120 volt 50/60Hz electricity

The vacuum pump must meet the following speci_cations:

1. Electronically controlled by the plasma cleaner
2. Dry vacuum pump
3. Ultimate pressure no greater than 20 milliTorr
4. Peak pumping speed no less than 6.0 cubic meters per hour
5. Noise level no more than 56 Db
6. Powered with 120 volt 50/60Hz electricity

ADDITIONAL CONDITIONS

PREFERENCES - A NOTICE TO VENDORS (SEP. 2009): On June 16, 2009, the South Carolina General Assembly rewrote the law governing preferences available to in-state vendors, vendors using in-state subcontractors, and vendors selling in-state or US end products. This law appears in Section 11-35-1524 of the South Carolina Code of Laws. A summary of the new preferences is available at www.procurement.sc.gov/preferences. **ALL THE PREFERENCES MUST BE CLAIMED AND ARE APPLIED BY LINE ITEM, REGARDLESS OF WHETHER AWARD IS MADE BY ITEM OR LOT. VENDORS ARE CAUTIONED TO CAREFULLY REVIEW THE STATUTE BEFORE CLAIMING ANY PREFERENCES. THE REQUIREMENTS TO QUALIFY HAVE CHANGED. IF YOU REQUEST A PREFERENCE, YOU ARE CERTIFYING THAT YOUR OFFER QUALIFIES FOR THE PREFERENCE YOU'VE CLAIMED. IMPROPERLY REQUESTING A PREFERENCE CAN HAVE SERIOUS CONSEQUENCES.** [11-35-1524(E)(4)&(6)]

PREFERENCES - SC/US END-PRODUCT (SEP 2009): Section 11-35-1524 provides a preference to vendors offering South Carolina end-products or US end-products, if those products are made, manufactured, or grown in SC or the US, respectively. An end-product is the tangible project identified for acquisition in this solicitation, including all component parts in final form and ready for the use intended. The terms "made," "manufactured," and "grown" are defined by Section 11-35-1524(A). By signing your offer and checking the appropriate space(s) provided and identified on the bid schedule, you certify that the end-product(s) is either made, manufactured or grown in South Carolina, or other states of the United States, as applicable. Preference will be applied as required by law. Post award substitutions are prohibited. See "Substitutions Prohibited - End Product Preferences (Sep 2009)" provision.

PREFERENCES - RESIDENT VENDOR PREFERENCE (SEP 2009): To qualify for the RVP, you must maintain an office in this state. An office is a nonmobile place for the regular transaction of business or performance of a particular service which has been operated as such by the bidder for at least one year before the bid opening and during that year the place has been staffed for at least fifty weeks by at least two employees for at least thirty five hours a week each. In addition, you must either: (1) maintain at a location in South Carolina at the time of the bid an inventory of expendable items which are representative of the general type of commodities for which the award will be made and which have a minimum total value, based on the bid price, equal to the lesser of fifty thousand dollars [\$50,000] or the annual amount of the contract; or (2) be a manufacturer headquartered and having an annual payroll of at least one million dollars in South Carolina and the end product being sold is either made or processed from raw materials into a finished end product by that manufacturer or its affiliate (as defined in Section 1563 of the Internal Revenue Code).