



STATE OF ALABAMA  
DEPARTMENT OF FINANCE  
DIVISION OF PURCHASING

INVITATION TO BID

INVITATION TO BID NO: 10-R-2217226

REQ. AGENCY : 059007  
ALA DEPT ENVIRONMENTAL MGMT  
AGENCY REQ. NO. : 101313  
T-NUMBER :  
DATE ISSUED : 03/01/10  
VENDOR NO. :  
VENDOR PHONE NO. :  
SNAP REQ. NO. : 1437078  
BUYER NAME : BERNIE ARANT

FOR: DI MACHINE/KM

BUYER PHONE NO. : (334) 242-4201-  
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:  
DATE: 03/24/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:  
DATE: 03/25/10 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE \_\_\_\_\_ DAYS OR \_\_\_\_\_ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: \_\_\_\_\_(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN \_\_\_\_\_ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: \_\_\_\_\_  
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: \_\_\_\_\_  
INTERNET WEBSITE: \_\_\_\_\_
6. GENERAL CONTRACTOR'S LICENSE NO: \_\_\_\_\_  
TYPE OF G.C. LICENSE: \_\_\_\_\_

\*\*\*\*\* IMPORTANT NOTE: \*\*\*\*\*

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA  
DEPARTMENT OF FINANCE  
DIVISION OF PURCHASING  
P O BOX 302620  
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA  
DIVISION OF PURCHASING  
RSA UNION BUILDING  
100 N. UNION ST., SUITE 192  
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED. I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

\_\_\_\_\_ DAY OF \_\_\_\_\_

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: \_\_\_\_\_

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 01/14/10

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

- BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
- RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
- BID RECEIVED LATE
- BID NOT SIGNED/NOT ORIGINAL SIGNATURE
- BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
- NOTARIZED OWN SIGNATURE
- REQUIRED INFORMATION NOT SUBMITTED WITH BID
- FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

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INVITATION TO BID

#### INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

#### ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

#### INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

#### PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

#### SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

#### INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

#### BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

#### FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

#### BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

SPECIAL TERMS & CONDITIONS

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AWARD:

AWARD WILL BE MADE "ALL OR NONE" TO THE LOWEST RESPONSIBLE BIDDER  
MEETING ALL SPECIFICATIONS.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN  
THE BID PRICES.

PRICE SHEET

VENDOR NAME :

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INVITATION TO BID

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00001	UNLESS SPECIFIED OTHERWISE BELOW: SHIP TO: 059000 / 059M01 ALA DEPT ENVIRONMENTAL MGMT DECATUR FIELD OPERATIONS 2715 SANDLIN RD SW DECATUR AL 35601 COMMODITY CODE: 490-40-084621 MILLI-Q INTEGRAL WATER PURIFICATION SYSTEM OR EQUIVALENT (PLEASE REFERENCE ATTACHED SPECIFICATIONS.)	1	EA		

FOR QUESTIONS REGARDING EQUIPMENT SPECIFICATIONS, PLEASE CONTACT: SHAWN LAGRONE 256-432-2076

FREIGHT TO BE PREPAID AND ADDED TO INVOICE.

PAGE TOTAL

BID TOTAL

\_\_\_\_\_  
\_\_\_\_\_

# Milli-Q® Integral Water Purification Systems or Equivalent

## SYSTEM SPECIFICATIONS

Product Water Quality with Suitable Tap Water Feed

### Pure (Type II) water:

Pure Water (Type II) Typical Production Rate (L/h)	
ZRXQ003T0.....	3
ZRXQ005T0.....	5
ZRXQ010T0.....	10
ZRXQ015T0.....	15
Pure Water (Type 2) Typical Water Delivery Flow Rate from E-POD (L/min).....	up to 2
Pure Water Resistivity (MΩ·cm at 25°C).....	> 5
Microorganisms (cfu/mL) –with Millipak or Biopak end filter .....	< 1
Particulates < 0.22 µm ( / mL) –with Millipak or Biopak end filter .....	< 1
Pyrogen Levels (EU/mL) – with Biopak end filter .....	<0.001
RNase Level (ng/mL) – with Biopak end filter .....	< 0.01
DNase Level (pg/µL) – with Biopak end filter .....	< 4
TOC (ppb) .....	< 30

### UltraPure (Type I) water:

Ultrapure Water (Type 1) Flow Rate (L/min).....	0.05 to 2
Ultrapure Water Resistivity (MΩ·cm at 25°C).....	18.2
Microorganisms (cfu/mL) –with Millipak or Biopak end filter .....	< 1
Particulates < 0.22 µm ( / mL) –with Millipak or Biopak end filter .....	< 1
Pyrogen Levels (EU/mL) – with Biopak end filter .....	<0.001
RNase Level (ng/mL) – with Biopak end filter .....	< 0.01
DNase Level (pg/µL) – with Biopak end filter .....	< 4
TOC (ppb) .....	< 10

- 
- **To guarantee compliance with minimum laboratory safety requirements, and to ensure that the water purification system meets internationally-recognized safety norms, the water purification system shall be listed with Underwriters Laboratories (both UL and ULC), and will carry the CE mark, indicating compliance with European Union EC Directives.**
  - **For complete lab autonomy and best adaptation to laboratory water needs, the water purification system will deliver pure & ultrapure water directly from tap water.**

- The system shall be comprised of a single water purification unit containing reverse osmosis, electro-deionisation, ion-exchange and activated carbon technologies and polishing device.
- To reduce the consumable replacement, the water system will include an EDI (ElectroDeionisation) module that does not require softening pre-treatment.
- To facilitate installation in the laboratory and minimize the occupied bench space, the water purification and water delivery functions of the water purification system will be separated.
- The ultrapure water system delivery unit will dispense ultrapure water in two modes easily accessible: variable flow and volumetric dispensing
- The ultrapure water system delivery unit is designed so that regular lab containers, such as cylinders and flasks, can be filled without the need to hold them. The system will also incorporate a volumetric dispensing function capable of automatically dispensing of ultra pure water from 0.1 L up to 60 L .
- To avoid maintenance errors and to improve traceability, the internal primary consumable water purification cartridges will have a built-in RFID tag
- The ultrapure water system delivery unit will be adapted to easy ultrapure water dispense in all containers regularly used in the laboratory
- The ultrapure water system delivery unit will incorporate a fully comprehensive, graphic color LCD display to provide information 1) on system status and performance parameters, 2) on routine maintenance needs, and 3) on alarms for troubleshooting in the event of system malfunction. Graphic icons and operating control values must also be available as standard.
- The ultrapure water system built-in resistivity and TOC monitors will be calibrated according to international norms and standards.

- To comply with USP requirements, the resistivity meter shall be able to display the non-temperature-compensated resistivity.
- The internal primary consumable water purification cartridge must attach to the water system without treaded fittings, screws, clamps, or locking tabs.
- To ensure on-time reordering of the pre-treatment consumables, the system will have automatic warnings.
- The ultrapure water system will have a 2 years life time built-in UV lamp with emission at 185 and 254 nm wavelength.
- The water system will have a built-in delivery pump for optimum ultrapure water delivery.
- The internal pumps will be low voltage DC pumps for virtually silent operation.
- To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water to maintain high water quality.
- The system will have a choice of point-of-use final filter options, including a 0.22 micron final filter, a point-of-use ultrafilter, and an FDA-registered medical device, to meet individual needs.
- The water system will incorporate a built-in Quick Reference Guide for immediate understanding of the main operations.
- There will be constant communication between the ultrapure water system and the feed tank to ensure that there is always a constant supply of water to the polishing portion of the system.
- The water purification system will automatically stop water delivery should a consumable not be in place.
- The water purification system will have a special mode for short periods of non usage (up to one month).

- **To prevent bacteria development in the storage tank, the system will combine a 254 nm UV lamp sanitizing water at the inlet of the tank and a 254 nm UV lamp inside the tank for prevention of biofilm development.**

### **Additional Specifications**

<b>DIMENSIONS (Cabinet):</b>	Height: 19.7" (500 mm) Width: 13.1" (332 mm) Depth: 19.0" (484 mm)
<b>DIMENSIONS (Delivery Unit):</b>	Width: 9.0" (230 mm) Height: 22.8" (579 mm)
<b>ELECTRICAL REQUIREMENTS:</b>	GFI circuit recommended, with recommended receptacle location approx. 3 feet from unit.  90 - 255 VAC / 50-60 Hz (2 Amp fuse)
<b>WATER CONNECTIONS:</b>	Inlet: 8 mm OD polyethylene ½" Gaz RO reject: 8 mm OD polyethylene EDI reject: 6 mm OD polyethylene EDI Product: 8 mm OD polyethylene Q-POD 8 mm OD polyethylene
<b>MINIMUM INLET PRESSURE:</b>	1 to 6 bar
<b>RECOMMENDED FEED TEMPERATURE:</b>	5°C – 35°C (41°F – 95°F)
<b>RECOMMENDED FEED WATER:</b>	Tap (drinkable) water (EPA norms)