# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

**CREATION DATE :** 07-MAR-13
**BID NUMBER:** 7461313
**TITLE:** URI WELL #4 CLEANING & REDEVELOPMENT

**BLANKET START :** 01-JUN-13
**BLANKET END :** 15-AUG-13
**BID CLOSING DATE AND TIME:**24-APR-2013 10:00:00

BUYER: Mosca, Gary
PHONE #: 401-574-8124

**BILL TO**
**URI ACCOUNTS PAYABLE**
**CARLOTTI ADMINISTRATION BLDG**
**75 LOWER COLLEGE ROAD, SUITE 1**
**KINGSTON, RI 02881**
**US**

**SHIP TO**
**URI FACILITIES RECEIVING**
**ATTN: SEE BELOW**
**SHERMAN BLDG**
**KINGSTON, RI 02881**
**US**

**Requistion Number: 1307559**

Note to Bidders: Questions concerning this solicitation may be emailed to gary.mosca@purchasing.ri.gov no later than 4/12/13 @ 8:00 AM (EST). Questions should be submitted in a Microsoft word attachment. Please reference the RFQ # on all correspondence. Questions received if any, will be posted on the internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information.

| Line | Description | Quantity | Unit | Unit Price | Total |
|---|---|---|---|---|---|
| 1 | Cleaning & Redevelopment of Well #4 - URI Per the Attached<br>There will be a Non-Mandatory Pre-Bid Conference held Wednesday, April 10th, 2013 @ 10:00 AM (ET)<br><br>Please report to:<br>University of Rhode Island<br>Sherman Building<br>523 Plains Road<br>Kingston, RI 02881<br>2nd Floor Conference Room | 1.00 | Each | | |

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

BID STANDARD TERMS AND CONDITIONS

**TERMS AND CONDITIONS FOR THIS BID**

**START DATE**

STARTING DATE _____ NO. OF WORKING DAYS REQUIRED FOR COMPLETION _____

**WAGE REQUIREMENTS**

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at www.purchasing.state.ri.us. SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

**INSPECTION REQUIREMENTS**

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. *MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

**INSURANCE REQUIREMENTS**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO

TERMS CONTINUED:

AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - $1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF $5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - $1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF $1 MILLION.

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

TERMS CONTINUED:

**LICENSE REQUIREMENTS**

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**FISCAL YEAR**

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

END DOCUMENT

# University of Rhode Island Water Supply System

## SECTION 1 – SCOPE OF WORK
## Redeveloping and Cleaning
## Production Well No 4

### 1. Mission

The contractor shall furnish all necessary equipment labor and supplies to redevelop the No. 4 production well at the University of Rhode Island with a cable tool drilling rig. Only a cable tool drilling rig shall be used to clean this well. The contractor shall properly maintain the lineshaft turbine pump in the well. The contractor shall have experience in maintaining at least five 500 gpm turbine pump systems during the last year. The well was last redeveloped in 2008 and a new pump and motor was installed. Contractor shall coordinate with URI and work shall commence between June 1 and August 15th, 2013 and be performed as efficiently as possible to return the well to service.

### 2. Assurance of Quality

The contractor shall meet or exceed all pertinent American Water Works Association Standards. The contractor shall supply all equipment needed and perform the following prior to pump removal and after pump installation:

- Conduct and record vibration measurements on the turbine pump at four points on the top of the motor, at four points at the bottom of the motor, and at four points on the pump base.
- Furnish equipment, discharge lines, water level measuring equipment, M scope to properly determine the performance of the turbine pump.
- Record the gpm using orfice or meter, pressure, static water level and pumping levels, drawdown, specific capacity, and amps of the pump at five points so that the pump performance curve can be plotted and graphed with a computer.
- Plot the pump performance curve using a computer.
- The shut off head shall be recorded on the pump performance curve.

The above data and measurements shall be summarized in a report and submitted to the University of Rhode Island.

### 3. Removal of Hollowshaft Motor and Turbine Pump Base

The contractor shall furnish, deliver, and set up at the site all necessary equipment and rigging to satisfactorily complete the work as specified herein. The contractor shall remove the pump and motor from the well taking precaution to avoid damaging the pumping equipment, motor, well, and well station. The contractor shall store the pump during well redevelopment in a way to prevent damage and ensure safety and sanitary conditions.

**4. Motor and Turbine Pump Inspection**

The contractor shall remove the motor and turbine pump from the well and inspect the motor, column pipe, shaft, bearings, bowl assembly, tail pipe, and the depth gauge system. The contractor shall show and explain items needing repair. An itemized inspection report shall be submitted to the University of Rhode Island with the present pump performance curve. The contractor shall recommend to the University of Rhode Island the extent of repairs needed for the existing turbine pump (if any) and the spare pump parts suggested to be stored inside the well station No4 at URI for emergency use.

As a large portion of the pumping system is sealed inside the well, a full assessment cannot be made until the pump is removed. As a result, this bid provides an allowance for unforeseen repairs to the well and/or pump up to $10,000.00 in addition to the scope of work noted. Bidders are to include this additional amount in the total of their bid however this amount will only be used upon presentation of evidence to support the repair from the contractor and approval by the University. If no repairs are performed during the course of this project, the $10,000.00 will remain unbilled at the closeout of the PO.

**5. Video Inspection**

The contractor shall furnish all necessary equipment to video the well and the well screen before and after the well is developed. A monitor shall be set up during each video inspection so that the owner may have the option to view the video inspection. The video shall be conducted by a specialist explaining the conditions of the well and highlighting areas of concern in the well. A DVD copy of each video inspection shall be submitted to the University of Rhode Island.

**6. Development of Wells**

The No. 4 Production Well shall be developed with cable tool well development equipment to reduce the resistance to flow and to restore the well. Eighteen inch diameter surge blocks shall be used to efficiently clean the well. One surge block shall be installed in the well casing and the other surge block shall be installed in the well screen.

A cable tool drilling rig shall be used to surge the well so that a string of tools for additional weight can be added above the surge blocks to develop an outward hydraulic surging force into the aquifer.

**7. Treatment of the Well**

The No 4 Production Well shall be treated as follows:

**A.)** The contractor shall install 4 gallons of bleach or 3 pounds of HTH in the well and allow the chemical to work for a minimum of 12 hours of contact time. The well shall be surged a minimum of 7 Hours and pumped into a 1000 gallon portable tank and neutralized with metabisulfite. The water shall be discharged to the ground.

**B.)** The contractor shall install 90 gallons of muriatic acid in the well. The acid solution shall be given a minimum of 12 hours of contact time to work in the well. The well shall be surged a minimum of seven hours and the acid solution shall be neutralized with lime in a 1000 gallon tank and then discharged to the ground.

**C.)** The contractor shall install another treatment of 90 gallons of muriatic acid in the well. The acid solution shall be given a minimum of 12 hours of contact time to work in the well. The well shall be surged a minimum of seven hours and the acid solution shall be neutralized with lime in a 1000 gallon tank and then discharged to the ground.

**D.)** The contractor shall place 5 gallons of NSF-approved Johnson NW220 with HTH in the well The solution shall be given a minimum of 12 hours of contact time to work in the well. The well shall be surged a minimum of seven hours and the solution shall be neutralized with metabisulfite and then discharged to the ground.

**E.)** The contractor shall install 4 gallons of bleach or 3 pounds of HTH in the well and allow the chemical to work for a minimum of 12 hours of contact time. The well shall be surged a minimum of 7 Hours and pumped into a 1000 gallon portable tank and neutralized with metabisulfite. The water shall be discharged to the ground.

**F.)** The contractor shall check the specific capacity of the well each day by conducting a brief pumping test. The increase in the specific capacity of the well shall be platted on a graph and submitted to the University of Rhode Island

**8. Reinstallation of the Pump and Motor**

After the inspection of the pump and the redevelopment of the well has been completed, the contractor shall install a new stuffing box shaft and bushing and carefully reinstall the turbine pump and motor.

The contractor shall be responsible for checking lubrication of the pump motor bearings, including filling the oil reservoir on the motor and replacing the stuffing box packing prior to starting the pump.

The contractor shall demonstrate the proper performance of the pumping system. Field test shall be run to collect the data noted in "Section 2 Assurance of Quality". Water shall be discharged to at point as designated by the University of Rhode Island. The contractor shall supply all necessary pipe fittings, hose, and radios, to coordinate this work.

After the contractor completes the above work, The University of Rhode Island shall be responsible for pumping the well to waste and testing the quality of the water before it is turned into the distribution system.

**9. Submittals**

The contractor shall submit a written report which shall contain the following data:

1. Original pump performance curve.
2. Description of the condition of the pumping system.
3. Results of redeveloping the well with computer generated curve showing the increase in the specific capacity.
4. Diary of work done redeveloping the well
5. Initial and Final video inspection on DVD.
6. Final pump performance test curve

**10. Method of Measurement**

This work shall be measured for payment as units, completed and accepted. This work shall include removal and reinstallation of the pump, pump reconditioning if necessary, replacement parts, well redevelopment, disinfection, pump tests, and submitted with pump curves.

**11. Payment**

This work will be paid for at the Contract Lump Sum Prices for the specific items as identified in the Bid Proposal. The University of Rhode Island retains the right to have any or all sections of the work performed as specified under the contract.

## SECTION 2 – MINIMUM QUALIFICATIONS

The vendor must possess the following qualifications:

1. Vendor shall note on bid form at least five years experience in servicing municipal wells equipped with 500 gallon or greater turbine pumps. Work can include: redevelopment, repair or installation projects with similar size and scope of this bid request.
2. Vendor shall provide pertinent information to the University relative to any pending suits or outstanding liens. If no information is provided by the Bidder, the University shall assume that no such suits or liens exist.
3. Licensed contractor in Rhode Island.

# University of Rhode Island
## Redevelopment and Cleaning of the Production Well No. 4
### BID FORM



Company Name _____
Authorizing Signature:_____ Date:_____
Name: _____ Title:_____
Company Address: _____
_____
Phone:_____ Fax:_____

Acknowledge Addendum No.:_____ Date: _____
Acknowledge Addendum No.:_____ Date: _____

**Similar Work History**

Project Name: _____
Dates of Service: From: _____ To:_____
Client Contact Person: _____ Phone: _____
Summary of Work
Performed:_____
_____
_____
_____
_____
_____

Project Name: _____
Dates of Service: From: _____ To:_____
Client Contact Person: _____ Phone: _____
Summary of Work
Performed:_____
_____
_____
_____
_____
_____

Project Name: _____
Dates of Service: From: _____ To:_____
Client Contact Person: _____ Phone: _____
Summary of Work
Performed:_____
_____
_____
_____

URI **Redevelopment and Cleaning of Production Well 4**
**BID SHEET**



Project Name: _____
Dates of Service: From: _____ To: _____
Client Contact Person: _____ Phone: _____
Summary of Work
Performed: _____
_____
_____
_____
_____

Any pending suits or outstanding liens? ___Yes ___No, If Yes explain (include nature, date, amount):

_____
_____
_____
_____

I, we, the undersigned hereby agree to furnish all labor, material and equipment at the net price named herein to satisfactorily complete the work as specified in the Invitation to Bid.

**Production Well No. 4**

| **Item** | **Total Price** |
|---|---|
| 1. Removal of Pump and Motor | _____ |
| 2. Install stuffing box shaft and bushing | _____ |
| 3. Initial and final T.V. Inspections | _____ |
| 4. Redevelopment of Well 4 per specification (including chemicals) | _____ |
| 5. Additional Redevelopment per 8 hours | _____ |
| 6. Installation of Pump, Motor and Appurtenances | _____ |
| 7. Pumping Performance test and Submittals | _____ |
| 8. Allowance for motor, pump or well repairs | $10,000 |
| **Total** | _____ |

Delivery Date_____