
REQUEST FOR PROPOSALS
FOR
MAINTENANCE SERVICE CONTRACT
FOR
TWO (2) EXISTING WATER TREATMENT PLANTS

OWNED AND OPERATED
BY
CITY OF FORTSTOCKTON

Release Date: November 27, 2018

Close Date: December 21, 2018

Section 1.01 INTRODUCTION

The City of Fort Stockton (the City) is requesting Proposals (RFP) from a qualified water treatment service provider and engineering firm for providing proprietary antiscalant chemical blend, chemicals for clean in place procedure and professional maintenance services for two (2) existing Reverse Osmosis treatment plants (RO plants) owned & operated by City of Fort Stockton. The maintenance contract will initially be awarded for three (3) consecutive years with an option for two (2); one (1) year renewal extensions with the City.

City of Fort Stockton has two (2) existing RO plants at two (2) different locations – One is located in Downtown Fort Stockton (City Yard Plant) (Physical address: 509 N. Valentine Ft. Stockton, Texas 79735) and the second one is located two miles west of City limits (Hill Plant) (Physical address: 626 S. Ellyson Blvd. Ft. Stockton, Texas 79735)..

City Yard RO Plant – RO plant has (2) two trains - Train1 & Train 2 each with an array configuration of 10:5-6M capable of 361 GPM of Permeate production rate PER Train. Permeate water from each RO train is blended with 90 gpm of treated feed to achieve total of 451 GPM PER train finished water with a TDS of 250-400. Raw water is pumped via booster pump skid in to the Pretreatment system of each train. Pretreatment consist of antiscalant feed system and 1 micron cartridge filters. Each RO train has its own individual tote fed antiscalant chemical feed system that has Walchem pump with drawdown column and 1 micron cartridge prefiltration before the feed water enters the RO membranes (Toray TM720L membranes). Antiscalant chemical blend is used for preventing fouling & scaling of membranes due to presence of silica, carbonate and sulfate & some iron in feed water. A Clean-in-Place (CIP) skid for cleaning of membranes with a permeate flush on shutdown is installed. A single CIP skid is common to the both trains 1 & 2. Both RO trains are loaded with full instrumentation and controls for automated operation of the plant.

Hill RO plant – RO plant has three (3) trains A, B & C each with an array configuration of 18:9-7M capable of 700 GPM of Permeate production rate PER Train. All blending is off-skid to blend a small amount of raw well water, to achieve finished water with TDS of 250-400 for each train. Raw water is gravity fed in to the Pretreatment system of each train. The Pretreatment consist of Wedeco UV reactors, antiscalant feed system and 1 micron cartridge filters. Each RO train has its own tote fed antiscalant chemical feed system that has Walchem pump with a drawdown column and 1 micron cartridge prefiltration before the feed water enters the RO membranes (Toray TM 720-400). Antiscalant chemical blend is used for preventing fouling & scaling of membranes due to presence of silica, carbonate and sulfate & some iron in feed water. A standalone Clean in place skid for cleaning of membranes is installed. A single CIP skid is common to all 3 trains A, B & C. RO trains are loaded with full instrumentation and controls for automated operation of the plant.

The RFP's will be evaluated by the City Manager of Fort Stockton and may include an interview of one or more teams. The team judged as the most qualified will be recommended to the City Council for award of service & maintenance contract.

Section 1.02 PROJECT SCOPE

The scope will include providing complete maintenance services & trouble shooting associated with (to include but not limited to) chemicals, filters and other consumables, electrical, mechanical, plumbing, automation and controls and software & hardware programming for fully integrated treatment plant and provide support and superior service and assist in long term operation of the City of Fort Stockton R/O Plant. The scope will include monthly delivery program (delivering chemicals & other consumables to plant site in Fort Stockton and offloading from the supplier trucks). The delivery trucks must be equipped with pumps for transfer of chemicals directly from the truck to onsite storage totes and lift gates for the safe offloading of drums and totes of chemicals and needed filters, parts and equipment. The scope will include supplying to the City with a specialty blended NSF approved antiscalant chemical blends that can achieve high recovery rates and that can control sulfate, silicate, calcium carbonate and iron as well as other constituents that have fouling & scaling potential. It shall be required that prospective qualifiers collect raw water samples for detailed feed water analysis from two (2) different source wells and run full physical & chemical water analysis including silica and sulfate at no expenses whatsoever to the City of Fort Stockton, for the purpose of providing in their proposals, a yearly cost analysis of a maintenance program specific to the City's raw water quality. Routine maintenance services will include following services (but not limited to) check operation, inspect for leaks and make necessary adjustments to ensure Reverse Osmosis (RO) System is operating within manufacture's specifications, check and record pressure drop across RO one micron pre-filter, profile test of each vessel conductivity, inlet, outlet and reject conductivity, pH, record and log pressure on RO, periodic SDI test, report and document any problems or system needs and provide with recommendations.

All Prospective Qualifiers are requested to be able to comply with but not limited to the following to meet scope specified in this **RFP**:

- (a) Provide complete maintenance services & trouble shooting of two (2) RO plants to get required water quality in distribution system.
- (b) Assist the City in achieving highest recovery with least quantity brine production by recommending and providing NSF approved antiscalant chemical that are custom formulated & blended specific to the feed water quality and flowrates of feed water from two (2) different source wells for each RO plant. Proposed Antiscalant chemical blends must have 30% or higher active ingredient concentration and must be capable of controlling silica & sulfate scaling potential of feed water
- (c) Able to predict optimal dosing rates for antiscalant chemicals to be able to achieve minimum of 80% recovery rate or higher and cleaning chemicals that will reduce the frequency of cleaning intervals to minimum possible.
- (d) Able to deliver chemicals (antiscalant and cleaning chemicals) and offload chemicals at delivery.

- (e) Able to provide a minimum of 3 year warranty on the membranes & main RO equipment & associated components under the current contract that shall stay negotiable for an extension up to a maximum of 5 years period for each RO plant.
- (f) Assist to ensure that the City is in full compliance with all regulatory requirements set forth by TCEQ and ensure that the customer's water quality requirement is met.
- (g) Capable to report physically on site for trouble shooting and maintenance services within 3 hours and available for trouble shooting via phone and/or respond to phone calls within 1 hour upon City's request
- (h) Available upon the City's request any time during the regular works, over the weekends and holidays for trouble shooting services whatsoever for operation of the RO plant.

All Prospective Qualifiers are requested to be able to comply with below listed capabilities:

COMPANY QUALIFICATION

- 1) Prospective Qualifier must have experience working in State of Texas for a minimum of 15 years in Water Treatment Industry.
- 2) Prospective Qualifier may have a full HUB Certification with the State of Texas.
- 3) Prospective Qualifier must have Professional Engineering License in State of Texas to be able to perform Engineering Services.
- 4) Prospective Qualifier must have experience & capabilities to specially formulate and blend chemicals to improve recovery rates, prevent scaling and fouling of membranes and minimize the volume of waste steam.
- 5) Prospective Qualifier must have a Chemical Expert on staff with in depth knowledge of performing water quality modeling and hydraulic modeling using French Creek Software and /or other similar modeling software to create process design reports and help determine various critical design parameters.
- 6) Prospective Qualifier must have on staff I & E expert with in depth knowledge of software programming for trouble shooting
- 7) Prospective Qualifier must be fully knowledgeable for trouble shooting of electrical, mechanical plumbing
- 8) Prospective Qualifier must have thorough knowledge of RO Plants and current Treatment Processes, Operations and Equipment.
- 9) Prospective Qualifier must have experience to perform water quality modeling and hydraulic modeling using modeling software and create process design reports and help determine various critical design parameters.

ENGINEERING GROUP

The Prospective Qualifier must have Engineering Group on staff capable of providing below engineering services:

- 1) The engineering group on staff must have experience in providing innovative designs for various water and waste water treatment systems on different municipal and industrial projects.
- 2) The engineering group must have experience in getting Pilot Exception approvals from Texas Commission on Environmental Quality (TCEQ).
- 3) The engineering group must have experience in generating and getting approvals on signed and sealed Pilot Protocols and Pilot Study Reports for various membrane filtration systems from TCEQ.

- 4) The engineering group must have experience in developing and getting approval for Brine Discharge Permit for different water treatment projects from TCEQ.
- 5) The engineering group must have experience in planning, designing (Process, Civil, Mechanical, Hydraulic and Structural) and in construction of water and wastewater treatment plants and Environmental related projects for the Municipal.

SERVICE DEPARTMENT

- 1) The Prospective Qualifier must have Service Technicians on staff with technical knowledge and expertise in installation, startup & training, Clean-in-place procedures, routine inspection, trouble shooting. The technicians shall have at a minimum 10 years of experience working on various Municipal and Industrial Water and Wastewater Treatment. The Managers shall be TCEQ Certified in State of Texas for Water Treatment Specialist Level III. .
- 2) Service technicians must have a minimum 10 years of experience in construction, rehabilitation and installation work surrounding water treatment equipment and distribution system including piping, concrete structures, controls, electrical, mechanical, plumbing and Instrumentation and Control etc.

EQUIPMENT AND FACILITIES

Prospective Qualifier must have a shop facility in Texas. The shop must have complete tools and equipment necessary to undertake and complete its projects 100% with its own forces whenever required. It is preferred that the prospective qualifier’s equipment be similar to the following:

Company owned Trucks w/Heavy Duty Service Boxes and Beds
Company owned Heavy Duty Lift Gates
Full Range of Tools and Materials needed to complete the job
Chemical Delivery Trucks
CDL, DOT, & Hazwoper Trained Drivers
CDL Trained Drivers
Municipal Reverse Osmosis Pilot Skids
Media Pilot Skids
Portable RO Skids
Small to Midsize Reverse Osmosis Cleaning Skid
Myron L 6P and 9P Handheld Meters
Automatic SDI Meter
Hach Turbidity and Free Chlorine Tester
Hach DR-890

Hach DR-860
Hach DR-2000
Hach DR-5000
Service Laptop with PC Anywhere
Reagents, Calibration Solutions, and Test kits for multiple water parameters

Section 1.03 DELIVERY OF SUBMITTALS

Statement of Qualification must be received by the City of Fort Stockton, attention Frank Rodriguez III, City Manager at the following address no later than December 21, 2018, 4:00 PM (Local Time).

Frank Rodriguez III
City Manager
 RO Plant Services Proposal
 121 W. 2nd Street
 Fort Stockton, Texas 79735

The submitting Qualifier is responsible for the means of delivering the Statement of Qualification to the location listed in Section 1.03 on time. Delays due to any instrumentally used to transmit the Proposals including delay occasioned by the Qualifier or the City of Fort Stockton’s internal mailing system will be the responsibility of the Qualifier. Statement of Qualification must be completed and delivered in sufficient time to avoid disqualification for lateness due to difficulties in delivery. The time clock in City of Fort Stockton City Secretary’s Office is the official clock for determining whether submittals are submitted within the designated time constraints. Late Proposal documents will not be accepted under any circumstances.

There is no expressed or implied obligation for the City of Fort Stockton to reimburse responding teams for any expenses incurred in the preparation of a RFP in response to this request. The City of Fort Stockton reserves the right to increase or decrease the scope of work related to this project as outlined in the RFP after a team is selected to accommodate changes in the project needs as determined by the City of Fort Stockton or to serve its best interests

Section 1.04 INSTRUCTIONS FOR COMPLETION OF RESPONSES

- (a) Information presented in the Statement of Qualifications will be used to evaluate the professional qualifications and determine the Qualifier(s) which will be selected to provide professional services to the City.
- (b) Responses shall be completed in accordance with the requirements of this RFP and on 8^{1/2} x 11” pages, double spaced, (one side only and including cover letter) using a font size no smaller than 11 point and one inch margins. Statements made by a Qualifier shall be without ambiguity, and with adequate elaboration, where necessary, for clear understanding.

Section 1.05 WITHDRAWAL OF PROPOSALS

An authorized representative of the company may withdraw a Proposal at any time prior to the RFP submission deadline, upon presentation of acceptable identification as an authorized representative of such company.

Section 1.06 AWARD OF CONTRACT

(a) It is understood that the City reserves the right to accept or reject any and all Proposals and to re-solicit for Proposals, as it shall deem to be in the best interests of the City. Receipt and consideration of any Proposals shall under no circumstances, obligate the City to accept any Proposals. If an award of contract is made, it shall be made to the responsible Qualifier whose Proposal is determined to be the best evaluated submission.

(b) If awarded, the City intends to award a single contract to a single Qualifier.

Section 1.07 CENTRAL POINT OF CONTACT

Qualifier must provide a central point of contact to establish service, resolve issues and end service.

Section 1.08 DISQUALIFICATION OF QUALIFIERS

- (a) Qualifiers may be disqualified for any of the following reasons:
- (i) The Qualifier is involved in any litigation against the City;
 - (ii) The Qualifier is in arrears on an existing contract or has defaulted on a previous contract with the City;
 - (iii) Lack of financial stability;
 - (iv) Failure to perform under previous or present contracts with the City;

Section 1.09 EVALUATION CRITERIA

(a) The City will make its selection from those qualifications submitted in response to this RFP. If deemed necessary by the City, interviews with the firms deemed most qualified, may be conducted. Once a selection is made, a scope of work will be negotiated with the chosen team. The chosen firm will then be requested to submit a detailed contract to perform the services. The City maintains the right to terminate the selection process at any time if they feel it is in the best interest of the City. At such time as an agreement is reached, City Manager will make a recommendation to the City Council to execute a contract pursuant to the agreement. The City reserves the right to accept or reject any or all Qualifiers and to accept what in the judgment of the Mayor and City Council is the most advantageous Qualifier.

Section 2.00 QUALIFICATIONS SUBMITTED SHALL AT LEAST PROVIDE FOR THE FOLLOWING:

(a) Brief description of past and/or current contracts with similar scope along with references with a proof of working experience in State of Texas for a minimum of 30 years in Water Treatment Industry.

- (b) Resumes of on staff key team members to include but not limited to Professional engineer and E.I.T's (with experience in Process, chemical, Civil, Mechanical, Hydraulics and Structural) , Water treatment specialist level III by TCEQ, a Master Plumber and Project Managers, Service Technician with minimum 10 years of experience in municipal, industrial treatment systems.
- (c) List the location of the office or offices of the team as well as the contact information and who is the sole agent for contact with the City of Fort Stockton for this contract.
- (d) Professional engineering license in State of Texas to be able to perform Engineering Services.
- (e) Brief description or summary to prove that the prospective qualifier has thorough knowledge of Existing RO Plant at Fort Stockton and its current Treatment Process & Operations and Equipment.
- (f) Brief description or summary to prove that the prospective qualifier has experience in formulation and blending of Specialty Chemicals that can improve recovery rates, prevent scaling and fouling of membranes and minimize the volume of waste stream.
- (g) Brief description or summary to prove that the prospective qualifier has Experience to perform water quality modeling and hydraulic modeling using modeling software and create process design reports and help determine various critical design parameters.
- (h) By execution and submission of a response to the RFP, the Qualifier hereby represents and warrants to the City that the Qualifier has read and understands the Request for Qualification and the response is made in accordance with the Request. Qualifier acknowledges that it understands all terms within the Request for Qualification and that it had the right to consult with counsel regarding all of the above documents.
- (i) By submitting this RFQ, the Qualifier specifically waives any right to recover or be paid attorney's fees from the City or any of the City's employees and representatives under any of the provisions of the Texas Uniform Declaratory Judgments Act (Texas Civil Practice and Remedies Code, Section 37.001, et. Seq., as amended). By submitting a response to the RFQ, each Qualifier agrees to waive and does hereby waive any claim the Qualifier has or may have against the City, it's respective employees and representatives for the award of attorney fees, arising out of or in any way connected with the following:
 - (i) **The Administration, Evaluation or Recommendation of any RFQ;**
 - (ii) **Acceptance or Rejection of any RFQ; and**
 - (iii) **Award of Contract.**
- (j) The City reserves the right to waive, delete or amend any of the requirements connected with the RFQ and to reject any and all proposals.
- (k) Any other relevant information that the Qualifier wishes to submit to the City that will assist the City in determining the extent to which the services meet the City's need to provide the best value for the City.