

CITY OF SAN LEANDRO

INVITATION FOR BIDS

SUBMIT BID TO:	FOR FURTHER INFORMATION CONTACT:
City of San Leandro Purchasing Department 835 East 14th Street San Leandro, CA 94577	Julie Jenkins Purchasing Agent (510) 577-3472 fax (510) 577-3312 juliejenkins@sanleandro.org

BID NO:	DATE MAILED:	THIS BID MUST BE DELIVERED TO THE CITY BEFORE:
15-16.012	February 26, 2016	3:00 p.m., Wednesday, March 23, 2016

QTY.	DESCRIPTION	UNIT PRICE	EXTENSION
ONE (1) EACH	<p>ONE (1) DUAL MEDIA PRESSURE FILTER SYSTEM FOR WASTEWATER RECLAMATION Bid No. 15-16.012 Notice to Bidders</p>	<p>\$ _____ EACH</p>	<p>\$ _____ TOTAL</p>
	<p>Provide one (1) Dual Media Pressure Filter System for reclamation of wastewater treatment plant effluent.</p> <p>Make/Model: _____</p> <p>Specify Warranty: _____</p> <p>Specify Effluent Guarantee: _____</p> <p>Delivery Date: _____</p> <p>All specifications are minimum requirements, unless otherwise noted.</p> <p><u>All bidders must submit with their proposal sufficient literature to show compliance with specifications.</u> Any deviations from specifications must be clearly indicated in writing at the time the proposal is submitted. The City reserves the right to waive minor variations in specifications bid.</p> <p>Questions related to this bid may be submitted in writing to the Purchasing Agent at the address above or via email to: juliejenkins@sanleandro.org</p> <p>Do not include sales tax in your bid. Sales tax will be added to the purchase order and remitted with invoice payment.</p> <p>State your earliest delivery date as requested. This date may be an important factor in award determination.</p> <p>Sealed bids shall be received at the Finance/Purchasing Office, City Hall, 2nd Floor, 835 E. 14th Street, San Leandro, CA up to 3:00 p.m., Wednesday, March 23, 2016 at which time they will be publicly opened and read.</p>	<p>DELIVERY CHARGE (if not included in price)</p> <p>\$ _____</p>	<p>\$ _____</p> <p>\$ _____ GRAND TOTAL</p>

Any bid may be withdrawn at any time prior to the time fixed for the opening of bids only by written request for the withdrawal of the bid filed with the City. The request shall be executed by the bidder or bidder's duly authorized representative. The withdrawal of a bid does not prejudice the right of the bidder to file a new bid. Whether or not bids are opened exactly at the time fixed in the public notice for opening bids, a bid will not be received after that time nor may any bid be withdrawn after the time fixed in the public notice for opening of bids.

As stated in Public Contract Code Section 5100 to 5108, inclusive (State Contract Act) concerning relief of bidders and in particular to the requirement therein, that if the bidder claims a mistake was made in his bid, the bidder shall give the City written notice within five (5) days after the opening of the bids of the alleged mistake, specifying in the notice, in detail, how the mistake occurred.

All bidders shall verify if any addendum for this project has been issued by the City. It is the bidder's responsibility to ensure that all requirements of contract addendum are included in the bidder's submittal.

Winning bidder will be required to provide a certificate of insurance and endorsements in accordance with 'Attachment A – Insurance Requirements'. The winning bidder will also be required to obtain a City business license.

The award will be made to the lowest responsible bidder whose bid complies with the specifications in a manner satisfactory to the City's best interests as determined by the City. The right is reserved, as the interest of the City may require, to reject any or all bids, or to waive any informality or minor irregularity in the bids.

Payment shall be within 30 days following acceptance of bid items.

To bid, complete and return a copy of the Request and any other required forms, in a sealed envelope. The envelope shall be marked with the project name and bid number. The bid must be received by the date and time shown in order to be considered. Deliver envelope to: City of San Leandro Purchasing Dept., 835 E. 14th Street, San Leandro, CA, 94577. Please note that there is a one-day delay in mail delivery to City Hall by the U.S. Postal Service.

Delivery of materials shall be to:

**City of San Leandro Water Pollution Control Plant
3000 Davis Street
San Leandro, CA 94577**

Firm _____

Date: _____

Address _____

Phone: _____

FAX: _____

By (Signature) _____

Print Name: _____

Title: _____



Julie A. Jenkins
Purchasing Agent

ONE (1) DUAL MEDIA PRESSURE FILTER
SYSTEM FOR WASTEWATER
RECLAMATION
Bid No. 15-16.012
Notice to Bidders

SPECIFICATIONS

Pressure Filter System

General

The pressure filter system shall be specifically designed to provide filtration and treatment from WWTP effluent water supplies and be supplied complete for onsite assembly and/or installation. The system can be supplied assembled on skids or sub assembled with final assembly onsite, however a complete system is to be supplied. The filter media shall be specified and supplied by the Manufacturer. Feed water shall be injected with a coagulant, 1–50 ppm adjustable dose rate, and mixed to promote coagulation prior to filtration. Feed water coagulant injection/mixing system will be provided by others with dose rate specified by filter Manufacturer. Control air can be supplied onsite from existing facilities but, if an air scour is required by Manufacturer’s design, an air supply must be provided by Manufacturer. System shall be a redundant tank design allowing at least one tank to stay on line during backwashing. To limit system complexity; a limit of five tanks can be incorporated into the design.

Warranty

The entire system must be warranted by the Manufacturer for a period of one year following commissioning and startup. A copy of the warranty shall be included with the submission of the bid

Design Requirements

The pressure filter equipment shall be designed based on the following requirements:

- a) System design flow rate 100 gpm
- b) Filter design flow rate100 gpm maximum
- c) Filter loading rate at design flow (max).....5.0 gpm/ft²
- d) Maximum operating pressure..... 100 psi
- e) Influent water quality:
 - Turbidity..... 20.0 NTU or less
 - TSS..... 40 ppm or less
 - Chlorine Residual1–4ppm
- f) Service Flow Rate: 6 gpm/sq. ft. maximum

Plant Effluent Guarantee

The pressure filter manufacturer will review the stated filter influent water quality and the specific requirements of the project, and shall guarantee in writing that the equipment supplied hereunder will consistently produce a plant effluent having turbidity concentrations as noted below. The guarantee is based on proper operation and chemical addition as detailed in the equipment O&M Manual. The satisfactory performance of the system will be warranted for one year following commissioning and startup. A copy of the effluent guarantee shall be included with the submission of the bid.

Turbidity..... 0.5 NTU maximum

Minimum Product Specifications

TANK

The filter tanks shall be of welded steel or stainless steel construction, and shall be tested to withstand a hydrostatic pressure 30% in excess of the designed working pressure of 100 psi. The tank shall be designed with a safety factor and shall be constructed per ASME code section VIII, including stamp. Each filter tank shall be designed to be installed in a seismic region in accordance with the ASCE-7-05 Chapter 15 and local seismic requirements. All calculations shall be signed by a Structural or Civil Engineer licensed in California.

FILTER SYSTEM PIPING

1. Water Piping – 3” or larger minimum standards
 - a) All filter face piping is to consist of schedule 40 ASTM-A53 steel pipe with 150# flanges (flat face) and either 125# flanged cast iron fittings or welded schedule 40 steel fittings.
 - b) All fabricated steel piping interior to be sandblasted per SSPC SP-10 and shop applied epoxy. Cast iron fittings are cement lined.
 - c) All piping exterior surfaces are to be sandblasted per SSPC SP-6 and shop applied primer or epoxy.
 - d) Finish painting of the filter system exterior piping will be field applied by the equipment installer.
2. Water Piping – 2” or smaller
 - a) Piping to be threaded or welded 304L stainless steel, no paint.
3. General Notes
 - a) All pipe supports for face piping are to be furnished by the filter Manufacturer.
 - b) All system face and interconnecting pipe shall be furnished with the required bolts, studs, nuts, and gaskets. Following are minimum standards:

Bolts..... ASTM A307 grade B 304 SS
Studs..... ASTM A307 grade B 304 SS
Nuts..... ASTM A563 304 SS heavy hex
Gaskets..... Neoprene or equal, 1/8" thick

COATING

Steel tank interior is to be thoroughly cleaned removing all dirt, grease, etc. prior to sand blasting and coating. Surface preparation shall be an abrasive blast. Conform to the requirements of SSPC-SP10 "Near White Blast Cleaning". Paint all blasted surfaces within 8 hours of blasting. Remove all weld splatter by grinding or chipping prior to sandblasting. Apply all material in strict accordance with manufacturer's instructions. Apply first coat immediately after surface preparation. Apply each coat to a uniform, even coating; lay material in one direction and finish at right angles. Allow material to thoroughly dry between coats. Scuff, sand and remove all runs, sags, over spray, surface roughness and other defects between each coat. Product to be a Tnemec Series 140 or equal. Two coats are to be applied to give a finish DFT of 12–15 mils. Fusion bonded epoxy would also be accepted. Stainless tank interiors do not require coating.

Tank exteriors surface preparation shall be an abrasive blast. Conform to the requirements of SSPC-SP6 "Commercial Blast Cleaning". Paint all blasted surfaces within 8 hours of blasting. Remove all weld splatter by grinding or chipping prior to sandblasting.

Apply all material in strict accordance with manufacturer's instructions. Apply first coat immediately after surface preparation. Apply each coat to a uniform, even coating; lay material in one direction and finish at right angles. Allow material to thoroughly dry between coats. Scuff, sand and remove all runs, sags, over spray, surface roughness and other defects between each coat. Base product to be a high solids epoxy. One prime coat is to be applied, 3 mils minimum. A finish coat of polyurethane will be applied of 2.5 mils, color to be provided by owner.

AUTOMATED VALVING

All units shall be equipped with a manual override and emergency shut-off hand wheel to rotate the valve without electrical and or pneumatic power. The enclosure shall be certified to UL, CSA & CE waterproof standards (Nema 4, 4x, IP 65). On/Off valves have open/close limit switches. Modulating valve to have 4–20mA position feedback output.

AIR RELEASE VALVES

Automatic air/vacuum release valves with stainless steel floats shall be supplied in sufficient quantity and size for the system.

RATE OF FLOW CONTROL VALVES

Rate of flow control valves shall be supplied for backwash and filter influent.

Rate of Flow control valves shall be manufactured Cla-Val Company or approved equal. The size of the flow control valve shall be based on the flow rate required, with a maximum pressure loss of three (3) PSI through the globe valve excluding the loss caused by the orifice plate. Rate of flow control valves shall have brass trim, Y-strainer and isolation valves where necessary on the copper tubing.

FILTER PRESSURE EQUIPMENT

- a) Minimum of one differential pressure switch with a NEMA 4 enclosure to detect the d/p across each filter tank inlet and outlet header.
- b) Minimum of one pressure gauge with 4.0" diameter dials, and bronze bourdon tubes shall be furnished for each filter unit inlet and outlet.
- c) Each pressure switch and gauge shall be furnished with brass fittings and manual isolating valves.
- d) Sampling cocks and valves, including filter inlet and filter outlet shall be provided for each tank.

FLOWMETERS

The electromagnetic flow meters shall include an integral transmitter/signal converter in a NEMA 4X enclosure. The meters shall have a neoprene liner, 316 SS electrodes and 316 SS grounding ring. Flow meters shall be provided for the backwash wastewater flow and for system effluent flow.

CONTROL PANEL

The filter manufacturer shall furnish an automatic control system consisting of a control panel with OIT, necessary hardware, components, timers, operator interface terminal, enclosure, relays, switches, alarms, I/O, and other items necessary for a complete operational system. System shall be capable of sending an alarm status to existing plant PLC based control system. All components shall be rated for continuous outdoor exposure.

STARTUP

1. The filter manufacturer shall assist in the startup and commissioning of the water treatment system.
2. The filter manufacturer shall provide instructions on the placement of the filter media.
3. The filter manufacturer shall be responsible for original startup of equipment furnished. A certificate of operational readiness shall be issued prior to owner operation.
4. The filter manufacturer shall conduct one day of operator training with hands-on operation at the Wastewater Treatment Plant at 3000 Davis Street in San Leandro.
5. Certifications shall be submitted from the manufacturer stating that the complete filtration system and associated equipment have been properly sized, installed, seismically restrained, adjusted and tested, and ready for full time operation including,

but not limited to:

- a) Testing of internal pipes for clogging and uniform flow;
- b) Placement of concrete fill, support gravel, and filter media, including washing and skimming of all media fines;
- c) Conducting performance tests.

QUALITY ASSURANCE

All equipment furnished under this Section shall be from a single manufacturer and be of a manufacturer who has been regularly engaged in the design and manufacture of the equipment. Manufacturer shall have a facility within the State of California with available personnel to respond to warranty issues with knowledge of the equipment supplied. Manufacturers of filter assembly shall have manufactured the specified filter assemblies for at least five years.

Filter supplier shall provide a list of at least five similar dual media facilities that have been successfully removing turbidity for at least one year. The filter manufacturer's trained field representative shall meet the following experience requirements:

- a) Have overseen the installation and startup of not less than five pressure filters;
- b) Have overseen the startup of not less than three water treatment facilities removing turbidity.

Attachment A - Insurance Requirements

CITY OF SAN LEANDRO FINANCE DEPARTMENT



PAULINE CUTTER

Mayor

CIVIC CENTER

835 East 14th Street • San Leandro, CA 94577
Telephone 510-577-3372 • Fax 510-577-3312

DAVID BAUM

Finance Director

FORWARD TO YOUR INSURANCE AGENT

PRIOR to performing services for the City of San Leandro, the city must have a current Certificate of Insurance and endorsements on file for all companies and consultants.

The requested certificate(s) and endorsements will be required of the successful bidder and should be received in this office as soon as possible upon request and **in accordance with the required specifications.**

Below, please find the required insurance for the work to be performed in accordance with **Bid No. 15-16.012, Pressure Filter System:**

Vendor - _____ Fax - _____ Date - _____

REQUIRED INSURANCE TO PROVIDE SERVICE

- ___ 1. **Worker's Compensation** – refer to page two
- ___ 2. **Commercial General Liability** – refer to page two (Any work on City property requires Gen. Liability Insurance)
- ___ 3. **Automobile Liability** - refer to page two
- ___ 4. **Hazardous Waste Haulers** - refer to page two
- ___ 5. **Pollution Legal Liability** – refer to page two
- ___ 6. **Professional Liability** - refer to page two
- ___ 7. **Endorsement Additional Insured** - refer to page two (**Must read as stated on page two**)
- ___ 8. **Endorsement for Waiver of Subrogation** – refer to page two
- ___ 9. **Endorsement for Primary Insurance** - refer to page two
- ___ 10. **Acceptability of Insurers "A.M. Best rating"** - refer to page two
- ___ 11. **30 Day Cancellation Notice** - refer to page two (**Read in full**)
- ___ 12. **Mailing Address and Certificate Holder Name** - refer to page two

A hard copy must be mailed to the address stated below:

Insurance Certificates must be mailed to:	City of San Leandro Finance Department 835 East 14 th Street, 2 nd Floor San Leandro, CA 94577
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If you have any questions, please contact the City Risk Management Analyst at 510-577-3487.

Insurance Requirements

FORWARD TO YOUR INSURANCE AGENT

- ___ 1. **Workers' Compensation Insurance** in accordance with the provisions of section 3700 of the California Labor Code. This policy shall include employer's liability insurance with limits of at least \$1,000,000. Include a cover sheet stating that the business is a sole proprietorship, if applicable. Endorsements for Waiver of Subrogation must also be provided.
- ___ 2. **Commercial General Liability Insurance** in the minimum amounts indicated below or such additional amounts as may be determined by the City Risk Management Analyst or designee, including, but not limited to, Contractual Liability Insurance (specifically concerning the indemnity provisions of any purchase order or agreement with the City), Products-Completed Operations Hazard, Personal Injury (including bodily injury and death), and Property Damage for liability arising out of vendor's performance of work for the City. Vendors, exhibitors, etc. utilizing City of San Leandro facilities shall also be required to possess such coverage. Said insurance shall have minimum limits for Bodily Injury and Property Damage liability of \$1,000,000 each occurrence and \$2,000,000 aggregate, and/or in compliance with California Joint Powers Risk Management Authority (CJPRMA) risk analysis requirements. Endorsements for City as Additional Insured, Waiver of Subrogation and Primary Insurance must be provided.
- ___ 3. **Automobile Liability Insurance** against claims of Personal Injury (including bodily Injury and death) and Property Damage covering all owned, leased, hired and non-owned vehicles used in the performance of services pursuant to a purchase order or agreement with the City with minimum limits for Bodily Injury and Property Damage liability of \$1,000,000 each occurrence, and/or in compliance with CJPRMA risk analysis requirements. Endorsements for City as Additional Insured, Waiver of Subrogation and Primary Insurance must be provided.
- ___ 4. **Hazardous Waste Haulers** – Commercial Auto Policy (\$1,000,000.00) with the following endorsement: "CA 99 48 12 93 – "Pollution Liability – Broadened Coverage for Covered Autos – Business Auto, Motor Carrier and Truckers Coverage Forms"
- ___ 5. **Contractors' Pollution Legal Liability** and/or Asbestos Legal Liability and/or Errors & Omissions (if project involves environmental hazards) with limits no less than \$1,000,000 per occurrence and \$2,000,000 aggregate.
- ___ 6. **Professional Liability (Errors and Omissions) Insurance**, for liability arising out of, or in connection with, the performance of all required services under an agreement with the City, with limits of not less than \$1,000,000 per claim and \$2,000,000 aggregate, unless otherwise indicated by the City Risk Management Analyst or designee.
- ___ 7. **Additional Insured** – Commercial General Liability, and Automobile Liability. **Insurance shall include an endorsement naming the City of San Leandro and City's council members, officials, officers, agents, employees, and volunteers as additional insured's.**
- ___ 8. **Waiver of Subrogation** – All insurance policies shall include a waiver of subrogation in favor of the City for all required work/services under an agreement with the City.
- ___ 9. **Primary Insurance** for Commercial General Liability and Automobile Liability must be included in an authorized endorsement.
- ___ 10. **Acceptability of Insurers – A.M. Best rating** – All insurance shall be issued by a company or companies admitted to do business in California. All insurance is to be placed with insurers with a current A.M. Best's rating of no less than A;VII. Any exception to these requirements must be approved by the City Risk Management Analyst or designee. The City Risk Management Analyst or designee may require a higher rating depending on the nature of the goods and/or services being provided.
- ___ 11. **30-Day Cancellation Notice** - The above stated insurance coverage's required to be maintained by the vendor shall be maintained until the completion of all of vendor's obligations under any purchase order or agreement, and shall not be reduced, modified, or canceled without thirty (30) days prior written notice to the City Risk Management Analyst or designee. Vendor shall immediately obtain replacement coverage for any insurance policy that is terminated, canceled, non-renewed, or whose policy limits have been exhausted or upon insolvency of the insurer that issued the policy.
- ___ 12. **Mailing Address and Certificate Holder Name** – City of San Leandro
Attn: Finance Department
835 East 14th Street 2nd Floor
San Leandro, CA 94577