



IFB-001-C-2025

VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY

The Virgin Islands Waste Management Authority is hereby soliciting bids for **IFB-001-C-2025 for Sanitary Sewage Pump Station Equipment Acquisition for Small Pump Stations on St. Croix, USVI.**

Interested parties and prospective respondents may request the complete IFB Package for their review from the Authority by submitting a request confirmation email with contact information for the respective company to sdavid@viwma.org and mvante@viwma.org. All questions pertaining to the scope of services to be rendered should be directed to Ms. Sandra David, Director of Procurement and Property, and Michael Vante, Contract and Inventory Manager, on or before **Friday, January 24th, 2025**. Responses to questions will be forwarded in the form of an Addendum to those parties who have confirmed interest by formally requesting the bid package.

Virgin Islands Waste Management Authority
Procurement and Property Division
7410 Estate Bovoni, Bay 2
St. Thomas, VI 00802
Tel: (340) 715-9170
Fax: (340) 715-9179
sdavid@viwma.org or mvante@viwma.org

Invitations for Bids will be submitted electronically in PDF Format bearing the respective IFB Number: IFB-001-C-2025 to sdavid@viwma.org and mvante@viwma.org on or before Friday, February 14th, 2025 at 12:00 P.M. Atlantic Standard Time.

The Virgin Islands Waste Management Authority reserves the right to waive any non-substantive informalities, technicalities or irregularities, or reject any or all qualifications and proposals/bids; or to re-advertise for proposals/bids, and to award or refrain from awarding the contract for the work.

Daryl Griffith
Interim Executive Director

It's Our Home! Let's Keep It Clean!

VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY

INVITATION FOR BIDS

DATE: **January 2nd, 2025**

IFB NUMBER: **IFB-001-C-2025**

PROJECT NAME: **Sanitary Sewage Pump Station Equipment Acquisition for Small Pump Stations on St. Croix, USVI**

Bids, for the work described herein will be received electronically in PDF format to sdavid@viwma.org and mvante@viwma.org on or before **Friday, February 14th, 2025 at 12:00 P.M. Atlantic Standard Time**. Any bid received after the time and date specified shall not be considered.

All questions pertaining to the scope of services to be rendered should be directed to Michael Vante, Contract & Inventory Manager at mvante@viwma.org on or before **Friday, January 24th, 2025 at 5:00PM AST**. Responses to questions will be forwarded in the form of an Addendum to those parties who have confirmed interest.

All documents contained in the Contract Document book are made a part of this Invitation and by this reference incorporated herein as fully and effectively as if set forth in detail. The bidder's attention is directed to the fact that all applicable municipal ordinances, and the rules and regulations of all authority having jurisdiction over construction of the project shall apply to Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.

1.0 PROJECT SUMMARY

The Virgin Islands Waste Management Authority (“VIWMA”) is soliciting sealed bids from qualified and licensed Vendors (“Respondents”) to supply of equipment and other materials for thirteen (13) of VIWMA’s sanitary sewer pump stations for the island of St Croix, United States Virgin Islands. Interested Vendors that respond to this IFB (“Respondents”) shall have the qualifications, experience and ability to supply equipment and materials related to the wastewater industry.

2.0 BACKGROUND

The Virgin Islands Waste Management Authority (VIWMA) provides wastewater services including collection, pumping, treatment and disposal to approximately 60% of the Virgin Islands 115,000 residents. Every day, more than 4.5 million gallons of wastewater rushes through those pipes, heading toward the wastewater treatment plants on St. Croix, St. Thomas and St. John.

Recent instances of extreme weather and flooding have highlighted the need for improved resiliency by elevating or otherwise protecting equipment from floodwaters, ensuring stations are configured in a way to streamline bypass pumping operations, and ensuring vehicular and heavy equipment site access to enable repairs and equipment replacement.

VIWMA’s Engineering Division is responsible for planning, designing, permitting, and overseeing construction of capital projects. The Wastewater Operations Division is responsible for the operation and maintenance of the sanitary sewer. The Procurement and Property Division is responsible for procurement. The stations included in this RFP are tabulated in **Table 1**.

Table 1: Pump Station Names & Locations

No.	Station Name	Coordinates – Latitudes & Longitudes
1	Barren Spot Pump Station	17°43'33"N 64°46'00"W
2	Bay Road Pump Station	17°42'04"N 64°53'05"W
3	Gallows Bay Pump Station	17°44'45"N 64°41'51"W
4	Williams Delight Pump Station	17°41'30"N 64°50'07"W
5	Humbug #2 Pump Station	17°42'42"N 64°43'35"W
6	Concordia Pump Station	17°42'13"N 64°52'10"W
7	Old Barracks Pump Station	17°44'43"N 64°42'01"W
8	Pearl B Larsen Pump Station	17°44'41"N 64°41'14"W
9	Ricardo Richards Pump Station	17°43'30"N 64°45'41"W
10	Coastal Pump Station	17°42'30"N 64°50'07"W
11	Campo Rico Pump Station	17°41'18"N 64°52'00"W
12	Mon Bijou Pump Station	17°44'59"N 64°46'52"W

3.0 SCOPE OF WORK

The Virgin Islands Waste Management Authority (VIWMA) maintains a complex system of equipment and infrastructure, which conveys wastewater from the sewers to the wastewater treatment plants for processing to ensure safe effluent discharge into the environment. Specialty equipment is a critical component of the wastewater infrastructure and is required for efficient operation. When the waste collection system fails, a lack of working equipment prolongs the hazardous threats to the environment and affects public health.

The acquisition of these specialty equipment will greatly enhance VIWMA operational efficiency, and it will:

1. Significantly increase operational efficiency and reduce hazardous threats to the environment and public health
2. Significantly reduce non-compliance (wastewater over-flow)

In general, the scope consists of purchase of equipment **Table 2: List of Equipment & Materials** as well as shipping to St. Croix, US Virgin Islands. The technical specifications for each piece of equipment are provided in **Table 3: Equipment and Materials Specifications**.

The contract scope shall include purchasing of equipment, and all the shipping logistics required to ship the equipment to the US Virgin Islands. The vendor or contractor shall provide:

- A. Cost for items noted in the attached Bid Schedule
- B. The equipment specifications in the attached specification sheet until the title of “Vendor”
- C. Pictures, brochures or drawings of the equipment

Additional Notes:

1. The contractor or vendor shall provide the cost for each item noted on the bid schedule.
2. The contractor or vendor can bid on selected item listed on the bid schedule.

3. The contractor or vendor shall provide the shipping cost for the equipment being shipped to the St. Croix, US Virgin Islands and provide that cost on the bid schedule.
4. The contractor or vendor shall coordinate the shipping logistics required to have the equipment shipped to the US Virgin Islands.
5. The contractor or vendor shall provide adequate packing to minimize any damages to the equipment.
6. The contractor or vendor shall install the equipment to ensure proper operation of equipment (this includes all the necessary tools and hardware).
7. The contractor or vendor shall provide:
 - a. A manufacturing schedule of the equipment
 - b. A delivery schedule for the equipment to the Virgin Islands
 - c. Specifications of the equipment
 - d. Drawings of the equipment (if applicable)
 - e. Operating procedures of the equipment
 - f. Recommended spare parts list of the equipment
 - g. Operator training for the equipment
 - h. All applicable warranties for the equipment

Table 2: List of Equipment & Materials

Quantity	Description	Unit
13	Pump Control Panel w/ TPC-X Digital Controller,(Easy to Maintain) w Level Transmitter & Float kit	EA
26	20HP submersible chopper sewerage pumps w/ 4-inch flanged discharge	EA
20	4-INCH Cast Iron Gate Valve, 4 in FLG,	EA
20	4 in. AWWA C508 Ductile Iron, 300 PSI Swing Check Valve With Outside L/W	EA
20	4" Female Camlock x 4" Male Camlock 90 Degree Elbow	EA
40	4" Male Camlock Adapter x 150# Flange	EA
20	4" Female Camlock x 4" Female NPT 90 Degree Elbow	EA
100	4" Flange Pack, Includes 1/8" Full-Face Gasket & 8 Stainless Bolts	EA
20	Black 4" x 20' Camlock / Threaded Suction Hose	EA
80	Adjustable Pipe & Meter Support Stand, Flange Style (Fits 4" Flange)	EA
60	4" Schedule 80 PVC Slip Flange	EA
40	4" Schedule 80 PVC Slip 90 Elbow	EA
400	4" Schedule 80 PVC Pipe	FT
13	Lift-station JIB Hoist	EA

Table 3: Equipment & Materials Specifications

ITEM	SPECIFICATIONS
<p>Pump Control Panel w/ TPC-X Digital Controller,(Easy to Maintain) w Level Transmitter & Float kit</p>	<ul style="list-style-type: none"> • Industrial grade 508A • Padlockable fiberglass NEMA 4X rated enclosure • 208, 240 or 480V 3 phase 25ft. measuring range (4-20mA) • Independent backup float operation • State-of-the-art TPC-X controller with graphic display • Auxiliary alarm contact • 3 phase lightning arrestor • Raised and angled din rail for easy connection • IEC HP rated motor starter with adjustable “Fit and Click” overload modules, 30 -32.0 FLA (sold separately) • 20HP @ 208V, 240V; 40HP @ 480V • Class 10 ambient compensated overload relay • Pump short circuit disconnect/overload reset ,accessible through inner door • Hand-Off-Auto selector switches • LED alarm beacon
<p>20HP submersible chopper sewerage pumps w/ 4-inch flanged discharge</p>	<p>DISCHARGE: 4", 125 lb. Horizontal flange slotted to accommodate 100mm ISO flanges STRIKER PLATE: 440C Stainless steel heat treated to 53-60 HRC hole pattern to accommodate 4" 125# flange SPEED: 1750 RPM IMPELLER: CORD ENTRY: Custom Molded quick connected for sealing and strain relief (E21 & E28 FRAME ONLY) MAXIMUM LIQUID TEMPERATURE: 104°F (40°C) Continuous VOLUTE: Cast iron ASTM A-48, Class 30 WEAR RING: C954 Lead-free bronze SLICING BLADE: 440C Stainless steel heat treated to 53-60 HRC O-RINGS: Buna-N HARDWARE: 300 Series stainless steel MOTOR: SHAFT: 416 Stainless steel STARTS PER HOUR: 15 per hour, evenly spread COOLING SYSTEM: SUBMERGENCE: Max depth 66ft (20m) MOTOR HOUSING: Cast iron ASTM A-48, Class 35B SEAL BRACKET: Cast iron ASTM A-48, Class 35B LOWER BEARING: UPPER BEARING: BEARING BRACKET ASSEMBLY: Cast iron ASTM A-48, Class 35B HARDWARE AND LIFTING BAIL: 300 Series stainless steel SEAL: POWER CORD: CSA certified submersible power cable - ordered separately MOTOR END COATING SYSTEM: Resicoat R4 Powder Coat Epoxy PUMP END COATING SYSTEM: Axalta Corlar Amidoamine Epoxy</p> <p>OPTIONAL EQUIPMENT: White iron impeller, impeller trims, impeller types, cord length, seal options, certified testing MARKINGS: CSA MOISTURE SENSOR: Normally open (N/O) float sensor with resistor, located in seal chamber, requires relay in control panel TEMPERATURE SENSOR: Three phase – Three normally closed (N/C) thermal sensors, one per phase, embedded in stator windings, to be wired in series with control circuit. OVERLOAD PROTECTION: Three phase – must be included in the control panel</p>

Table 3: Equipment & Materials Specifications cont'd.

ITEM	SPECIFICATIONS
<p>4-INCH Cast Iron Gate Valve, 4 in FLG,</p>	<p>Flanged by flanged valve bodies shall comply with ASTM A126; flanged by grooved valve bodies shall comply with ASTM A536. Valve shall be pressure rated to 200psi (14 bars) CWP with an operating temperature up 140°F. Valve shall have a non-rising stem, full port flow and epoxy coated. Valve shall be a Watts Series 405-NRS-RW.</p> <p>Standards</p> <p>Face-to-face dimension shall comply with ASME B16.10 Class 125 cast iron flanged valves. Flange end connection shall comply with ASME B16.1</p> <p>Class 125 & AWWA Class D. Flanges are flat faced and smooth finished. Grooved end connection shall comply with AWWA C515 & C606.</p> <p>Configuration</p> <p>Flanged x Flanged (AWWA C509): Available size 2"-12" Flanged x Grooved (AWWA C515): Available size 2 1/2"-10" Pressure - Temperature 200psi (14 bar) CWP</p> <p>Maximum Temperature: 140°F (60°C)</p>
<p>4 in. AWWA C508 Ductile Iron, 300 PSI Swing Check Valve With Outside L/W</p>	<p>Manufactured to an AWWA standard. This AWWA C508, lever and weight, ductile iron body, flanged check valve is made to handle any application from pump and well to lift stations. This valve has industry standard lay lengths and can be used without the lever and weight depending upon the application. This 300 PSI working pressure, AWWA C550 epoxy coated valve is now stocked in sizes 3"-12".</p> <p>Manufactured to AWWA C508 Standard Size Ranges 3"-12" Ductile Iron Body rated to 300 PSI AWWA C550 Fusion Bonded Epoxy Inside and Out Resilient Seat Outside Bolts and Nuts are 304SS SS 420 Hinge Pin Designed to work with or without Lever and Weight May Be Fitted with additional Spring Kit Lifting Eye for installation</p>
<p>4" Female Camlock x 4" Male Camlock 90 Degree Elbow</p>	<p>Type FA Camlock (Cam and Groove) 4" Male Camlock x 150# Flange Aluminum Body: Corrosion and abrasion Resistant, Light Weight 100 PSI Max Pressure</p>
<p>4" Male Camlock Adapter x 150# Flange</p>	<p>Type FA Camlock (Cam and Groove) 4" Male Camlock x 150# Flange Aluminum Body: Corrosion and abrasion Resistant, Light Weight 100 PSI Max Pressure</p>

Table 3: Equipment & Materials Specifications cont'd.

ITEM	SPECIFICATIONS
<p>4" Female Camlock x 4" Female NPT 90 Degree Elbow</p>	<p>Type FA Camlock (Cam and Groove) 4" Male Camlock x 150# Flange Aluminum Body: Corrosion and abrasion Resistant, Light Weight 100 PSI Max Pressure</p>
<p>4" Flange Pack, Includes 1/8" Full- Face Gasket & 8 Stainless Bolts</p>	<p>Type FA Camlock (Cam and Groove) 4" Male Camlock x 150# Flange Aluminum Body: Corrosion and abrasion Resistant, Light Weight 100 PSI Max Pressure</p>
<p>Black 4" x 20' Camlock / Threaded Suction Hose</p>	<p>Suction Hose Length - 20 feet Male Coupling - Aluminum 4-inch NPT The Male Coupling Will Only Connect to a Female 4-inch NPT Female Camlock Coupling - Aluminum 4 inch (I.D. - 4.763) - Type "C" Shank Working Pressure - 150 PSI Approx. Bend Radius - 8 inches Working Temperature - 158° F to -13° F Hose ID - 4 inches Tube - Natural and Synthetic Rubber</p>
<p>Adjustable Pipe & Meter Support Stand, Flange Style (Fits 4" Flange)</p>	<p>Fits Pipe Size: 4" Extension Pipe Size Compatibility: 2" Sch 40 (extension pipe not included) Base Plate Dimensions: 8" x 8" x 0.25" Min. Height from Floor: 7"</p>
<p>4" Schedule 80 PVC Slip Flange</p>	<p>Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784. PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. Pipe and fittings shall conform to NSF International Standard 61 and the health effects portion of NSF Standard 14.</p>

Table 3: Equipment & Materials Specifications cont'd.

ITEM	SPECIFICATIONS
<p>4" Schedule 80 PVC Slip 90 Elbow</p>	<p>Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.</p> <p>PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785.</p> <p>Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. Pipe and fittings shall conform to NSF International Standard 61 and the health effects portion of NSF Standard 14.</p>
<p>4" Schedule 80 PVC Pipe</p>	<p>Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.</p> <p>PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785.</p> <p>Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. Pipe and fittings shall conform to NSF International Standard 61 and the health effects portion of NSF Standard 14.</p>
<p>Lift-station JIB Hoist</p>	<p>Power Lift Jib Cranes design are for material handling applications on docks, in warehouses, or in truck beds. Choose either 12V DC, 1 HP with 6' long non-removable pendant control or 115V AC, 1/3 HP with fingertip switch to raise and lower hook Meets ANSI and OSHA specification</p> <p>Unit design is for vertical lifting only. Do not use unit for lifting personnel or overhead lifting.</p> <p>Includes 12 x 12" mounting plate. Does not include battery.</p> <p>A. Intermittent use cranes feature rotation hand brakes that offer unlimited 360° positioning. Mast mounts permanently. Boom adjusts in 12" increments and can position at 4 elevations. DC models include 46' of 3/16" aircraft grade wire rope with swivel hook and safety latch while AC units feature 25' of 7/32" cable. Folds for storage.</p> <p>B. The economical answer to your material handling problems. Offers light duty, intermittent use. Up to 1,500 lbs. uniform capacity at 27-13/16" boom extension. 360° locking manual rotation, 25' of 7/32" cable with hook on AC units, 46' of 3/16" cable on DC units.</p> <ul style="list-style-type: none"> • Power cable winch makes lifting and maneuvering easy • Boom telescopes in and out for greater reach and versatility • 360 Degrees swivel design allows for maximum accessibility • Pre-drilled base plate makes mounting quick and easy

4.0 QUALIFICATIONS

The selected Respondent must be able to adequately demonstrate their experience in their bid submittal.

A. Required Minimum Qualifications of Respondent

The following subsections are required minimum qualifications.

1. Respondents shall attach its license to do business or copy of its application for a license. Respondents should give a brief description of their company including brief history, corporate or organization structure, number of years in business. If the Respondent is partnering or subcontracting with any other entity, provide the information described above for each such entity.
2. The Respondent should also be registered with a valid System for Award Management (SAM) number.
3. Respondents that are corporations, partnerships, or any other legal entity, domestic or foreign, shall be properly registered to do business in the area in which they are incorporated at the time of the submission of their responses to this IFB. Such respondents shall attach a Business License (relevant to the SOW) and a Certificate of Good Standing from their respective jurisdictions to their bid submissions.
4. Respondent can comply with the required or proposed delivery or performance schedule, taking into consideration all existing commercial and governmental business commitments.
5. Respondent has a satisfactory performance record.
6. Respondent has a satisfactory record of integrity and business ethics.
7. Respondent has the necessary organization, experience, operational controls, and other necessary technical skills, or the ability to obtain them.
8. Respondent has established prior experience in successfully performing the scope of services requested.
9. Respondent and its employees hold and maintain any and all territorial, federal, state, and local licenses or certifications as required to perform the services requested.
10. Respondent is otherwise qualified and eligible to receive an award under applicable laws and regulations.
11. Respondent can comply with the required or proposed delivery or performance schedule, taking into consideration all existing commercial and governmental business commitments.
12. Respondent has adequate staffing to fulfill the required services throughout the entire contract term.
13. Respondent must not be debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any federal or local programs in the Territory or any Federal department or agency.

5.0 PRICE AND PAYMENT

Respondents must submit **Enclosure Document (F)** Bid Sheet for costs associated with all required specifications outlined within the IFB. Respondents should also submit a payment schedule in conjunction with Enclosure Document F & G outlining proposed progress payments based on the manufacturing and equipment delivery schedules.

The contract or purchase order will be funded, in whole or in part, by federal funds. Therefore, funding and payment of the contract will be based on requirements and availability of the federal funding sources utilized by VIWMA. The prime Contractor is responsible to submit all required documentation for payment to VIWMA. The contract requires compliance with federal terms and conditions for federal grants such as 2 CFR 200.

Please note, the information requested in the cost sheet may not necessarily reflect what the structure of the final contract or purchase order will be.

6.0 NOTICE OF FEDERAL GUIDELINES

Because the contract is being funded with federal funds, the contract shall be governed by certain federal terms and conditions for federal grants, including 2 CFR 200 and other applicable OMB circulars. Respondent shall provide a description of experience with such grant requirements and affirmatively represent and certify that the respondent shall adhere to any requirements of applicable federal requirements. In addition, this IFB is intended to be conducted in accordance to 2 CFR 200 and the resulting contract will contain the required contract provisions. The successful contractor will be required to abide by the federal rules and regulations which govern this project.

7.0 CONFLICT OF INTEREST

A respondent submitting a bid hereby certifies that no officer, agent or employee of VIWMA has a pecuniary interest in this bid or has participated in contract negotiations on behalf of the WMA; that the bid is made in good faith without fraud, collusion, or connection of any kind with any other Bidder for the same request for proposals; the Bidder is competing solely in its own behalf without connection with, or obligation to, any undisclosed person or firm.

8.0 LIQUIDATED DAMAGES

It shall be agreed by and between the parties that liquidated damages will be assessed in the amount of Five Hundred Dollars (\$500.00) per day as a result of delays, or failure to complete the service within the specified period of time. Liquidated damages will not be assessed during any delay in performance of the services caused by acts of God, the public enemy, fire, floods, epidemics, quarantine restrictions, supplier's or vendors strikes, freight embargoes, or other cause beyond the Contractor's reasonable control. The Contractor shall make every reasonable effort to mitigate the effects of said causes. The selected Contractor shall not be assessed with liquidated damages for delay in performance of the services caused by failure of the Authority to provide or perform those items of work required of the Authority under the contract. The Contractor shall have no claim for any additional compensation for any such delay.

9.0 REQUIRED DOCUMENTS

Respondent shall be required to submit the following documents:

- A. Corporate Documents** – The successful respondent will be required to provide a copy of their Corporate Documents.
- a. Provide a copy of Corporate Documents
 - i. Corporation
 1. Copy of Articles of Incorporation & Bylaws
 - ii. Limited Liability Company
 1. Copy of Articles of Organization
 2. Copy of Operating Agreement
 - iii. Sole Proprietorship
 1. Copy of Trade Name Certificate
- B. Business License-** The successful respondent will be required to provide a copy of their Business License. An award will not be made to any firm or individual doing business in the Virgin Islands to perform work with the Authority until evidence is submitted that said firm or individual has a valid V.I. Business License to do business in the Virgin Islands. Firms or individuals operating outside of the Virgin Islands must submit evidence of a valid Business License from their operating location.
- C. Letter of Good Standing if Corporation or Certificate of Existence if Limited Liability Company (LLC)** - The successful respondent will be required to provide a copy of their Letter of Good Standing or Certificate of Existence. A copy of the receipt that demonstrates evidence of filing the company’s Annual Report on June 30th of the current Year from the Office of Lieutenant Governor (or their operating jurisdiction) will be acceptable as well.
- D. Social Security Number (SSN) or Employer Identification Number (EIN)** - The successful respondent will be required to provide an official copy of their SSN or EIN.
- E. Liability Insurance** – The successful respondent will be required to obtain and have in place Liability Insurance in an amount no less than One Million (1,000,000.00) Dollars. The Insurance policy shall name the WMA as an “Additional Insured”. The successful respondent must provide a copy of the Liability Insurance.
- F. Workers' Compensation Insurance** – The successful respondent will be required to obtain and have in place Workers' Compensation Insurance coverage.
- G. CAGE Number**– The successful respondent will be required to submit a Valid CAGE Number that is actively registered on SAM.GOV <https://www.sam.gov/SAM/pages/public/index.jsf>

10.0 CONTRACTOR’S RESPONSIBILITIES

- Bear all cost related to the preparation and submission of the bid package in response to this IFB solicitation.
- Provide a completed “Base Bid Sheet” with a price guaranteed for 90 days and provide the documentation as specified in this IFB solicitation.
- Pay all taxes and fees as required by the local and federal statutes.

- Obtain and provide a copy of current Liability Insurance to cover any claims and damages occasioned by executing the Scope of Work.
- Provide acceptable workmanship, according to “Industry Standards” in each Trade or Scope of Work.
- Provide written proof of equipment lead time from manufacturer to justify timeframe for equipment acquisition.
- Remedy and repair any defects in materials or workmanship, without expense to WMA, no later than thirty (30) days after receipt of a written notice of a defect and provide a warranty on such repairs.
- Transfer all manufacturer warranties for all equipment acquisitions to VIWMA.

11.0 VIWMA’s RESPONSIBILITIES

- The Equipment Specifications shall be provided by WMA.
- Collect equipment from VI Port (St. Croix) and install equipment within various pump stations.

12.0 INVITATION FOR BID SCHEDULE

The following dates are proposed by the VIWMA Procurement Division. The deadlines associated with this IFB are further outlined below:

IFB SCHEDULE	DATES	TIMES
IFB Advertisement Date	Monday, January 6 th , 2025	
Pre-Bid Conference	Wednesday, January 15 th , 2025	11:00 AM
Final Date to submit written questions	Friday, January 24 th , 2025	5:00 PM
IFB Submittal Deadline	Friday, February 14 th , 2025	12:00 PM
IFB Bid Opening	Wednesday, February 19 th , 2025	12:00 PM

The VIWMA reserves the right to change the IFB Schedule by issuing an Addendum at any time.

13.0 ISSUING AND PROCURING OFFICE

This IFB is being issued for the VIWMA. All general correspondence and inquiries about the IFB should be submitted via email and sent to:

Michael Vante, Contract & Inventory Manager
 Virgin Islands Waste Management Authority
 7410 Estate Bovoni, Bay 2
 St. Thomas, VI 00802
 Phone (340) 715-9191 Fax (340) 715-9179
 Email: mvante@viwma.org
 Mark subject line for email “IFB-001-C-2025”

From the issue date of this IFB until a determination is made regarding the selection of a Respondent, refer all contacts concerning this RFP to Sandra David, Procurement Director at sdavid@viwma.org or Michael Vante, Contract & Inventory Manager at mvante@viwma.org. Any violation of this condition is cause for the VIWMA to reject a Respondent’s package. The VIWMA will NOT be responsible for any oral information given by any employees.

Failure to ask questions, request changes or submit objections shall constitute the acceptance of all terms, conditions and requirements in this IFB. The issuance of a written addendum by the VIWMA is the only official method by which interpretation, clarification or additional information can be given. If the VIWMA amends this IFB, they will email the addenda to all potential Respondents. The WMA will **not** be held responsible if any potential respondent does not check the website on a regular basis for all addenda. It is the responsibility of the potential respondents to update all contact information, contact the Procurement/Contract Officer to ensure that they receive all addenda prior to the submittal of the bid package, and/or check VIWMA's website for updates. The bid package will be considered non-responsive if all modifications are not incorporated.

14.0 PRE-BID CONFERENCE

The VIWMA will conduct a Pre-Bid Conference via Microsoft Teams at **11:00 a.m. Atlantic Standard Time (AST) on Wednesday, January 15th, 2025**. All interested parties should request the meeting invitation link through Michael Vante, Contract & Inventory Manager at mvante@viwma.org.

It is highly recommended that you thoroughly review the requirements of the IFB prior to the Pre-Bid Conference. All prospective Vendors are urged to attend. Non-attendance on the part of a Vendors shall not relieve the prospective respondent of any responsibility for adherence to any of the provisions of this bid package or any addenda thereto.

15.0 FORMAT OF BID PACKAGE

To be considered for award, the bid package shall meet the following requirements. Failure to meet the requirements as outlined will disqualify the respondent.

A. IFB Cover Letter - Complete Enclosure Document A.

B. Commitment Statement Letter – The Commitment Statement letter should be on the company's letterhead with contact information and must be signed by an officer of the organization that is authorized to bind the company contractually to all of the commitments made in its submittal. The letter shall also include a statement of understanding of the work to be done and to certify that the company shall adhere to the all the terms and conditions governing the contract. It shall state that the firm will be solely responsible for all aspects of the engagement including any portion that may be performed by its subcontractors, if any. It should make a positive commitment to perform the work required as specified to industry standards of workmanship and in a professional manner. It should also state that the bid package will remain in effect for a period of 90 days from the submission deadline and thereafter, until the firm withdraws it, or a contract is approved and executed, or the procurement is canceled, whichever occurs first. Respondent shall also confirm that the firm has not engaged in any unethical practices within the past five (5) years.

C. Non-Collusive Affidavit – Complete **Enclosure Document B**. The form must be notarized.

D. Debarment Certification Form – Complete **Enclosure Document C**. The form must be notarized.

E. Contract Document Checklist Form – Complete **Enclosure Document D** and **submit your current Business License**. For this section, Respondent must provide evidence that the company is licensed to provide the requested equipment. The Business License must be relevant to the Scope of Work for this solicitation.

F. Contractor's Qualifications Statement Form – Complete **Enclosure Document E**. For the Reference Section of the form, you must provide three (3) reference letters for the most recent, relevant work comparable to the scope requested in this IFB whom would be willing to discuss your company's competency and performance. If you currently have more than three (3) references, a client listing with contact information should be provided as well.

G. Bid Sheet – Complete **Enclosure Document F**. All bid pricing must be valid for 90 days from the submission deadline and thereafter until the company withdraws it, a purchase order is approved and executed, or the procurement is canceled, whichever occurs first.

Each respondent must adhere to the requirements of this section relative to the bid package content and format in order to simplify the review process and facilitate the maximum degree of comparison. Respondents should ensure that their bid package closely follows the sequence and organizational outline described in this section.

H. Other Required Documents – Respondents must submit all required documentation outlined within the Scope of Work Notes, Equipment Specifications and Procurement Requirements.

16.0 DELIVERY OF BID PACKAGES

All responses to this IFB are to be submitted, via electronic .pdf , no later than **12:00 p.m. AST on Friday, February 14th, 2025**. This acquisition and installation of all equipment is expected to be completed in about seven (7) months or less. Submittals must be made via email and contain a single pdf document submission including technical specifications and a detailed pricing submittal (cost proposal). All bid pricing must be valid for 90 days. VIWMA will **not** consider e-mail submission of a bid received after the bid due date.

Bid Packages must be submitted to:

SEALED BIDS – DO NOT OPEN
Virgin Islands Waste Management Authority
7410 Estate Bovoni, Bay 2
St. Thomas, VI 00802

Attention:
Sandra David, Procurement Director
Michael Vante, Contract & Inventory Manager
Procurement Division
IFB-001-C-2025

Sanitary Sewage Pump Station Equipment Acquisition for Small Pump Stations on St. Croix, USVI

The email must be clearly marked. Failure to clearly mark each email submission with this information may cause the VIWMA to inadvertently open the bid package before official closing date and time. The WMA will log all received bid packages with the date and time of receipt. Bids received after the official deadline will be considered **LATE** and will **not** be opened or considered.

17.0 SELECTION PROCESS

The WMA's Evaluation Committee Panel is responsible for evaluating all respondents' submittals. The Evaluation Committee Panel will consider the following criteria:

- Contractor is duly organized, validly existing, qualified and licensed to conduct business.
- Experience, including references, in providing the types of services detailed herein.
- Understanding of the services requested (including completeness and clarity of submissions), and qualitative nature of the services proposed
- Ability to provide services in a timely manner
- **Lowest reasonable price and responsive bid package.**

18.0 RIGHT TO REJECT BID PACKAGES

The WMA reserves the right to reject, without prejudice, any and all bids submitted in response to this solicitation. Further, bids submitted in response to this solicitation become the property of the WMA and the WMA may use any idea or concept in a submitted bid, regardless of whether that bid is selected for award.

19.0 ENCLOSURES & APPENDICES

Enclosure Document A- IFB Cover Letter

Enclosure Document B- Non-Collusive Affidavit

Enclosure Document C- Debarment Certification Form

Enclosure Document D- Contract Document Checklist Form

Enclosure Document E- Contractor's Qualification Statement Form

Enclosure Document F- Bid Sheet

Enclosure Document G- Specifications Sheet

ENCLOSURE DOCUMENT A

**VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
IFB COVER LETTER**

RESPONDENT

Name: _____

Address: _____

Tax Identification Number: _____

RESPONDENT'S CONTACT PERSON

Name: _____

Title: _____

Telephone: _____

Email Address: _____

INVITATION FOR BIDS INFORMATION

IFB Number: _____

IFB Project Name: _____

SCHEDULE OF ADDENDA(I) or (We) acknowledge receipt of the Addenda to the IFB Package hereinafter named, for the project(s) included in this IFB and declare that (I) or (We) accept these Addenda and that every change is included in this proposal.

Addendum Number _____ Date _____

Addendum Number _____ Date _____

Addendum Number _____ Date _____

Addendum Number _____ Date _____

Addendum Number _____ Date _____

RESPONDENT'S AUTHORIZED REPRESENTATIVE

Name: _____

Title: _____

Signature: _____ Date: _____

ENCLOSURE DOCUMENT B

**VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
Non-Collusion Affidavit**

_____, being first duly sworn, deposes and says that (1) he/she is [owner, partner, officer, representative, or agent] of: _____, the bidder that has submitted the attached bid;

(2) He/She is duly informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;

(3) Such bid is genuine and is not a collusive or sham bid

(4) Neither the said bidder nor any of its officers, partners, owners, agents, representative, ex-employee or parties in interest, including the affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other bidder, or to fix any overhead, profit or cost element of the bid price or the bid price of any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against The Virgin Islands Waste Management Authority or any person interested in the proposed contract, and

(5) The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Name of Respondent, Name of Corporation, LLC, or Sole Proprietor)

Subscribed and sworn to before me on/in the Island/State of _____, this _____ day of _____ 2023, by _____ of legal age, _____ and personally known to me.

(Trade or Corporation)

(Seal)

Notary Public

ENCLOSURE DOCUMENT C
VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY

DEBARMENT CERTIFICATION FORM

**Certification Regarding Debarment, Suspension and
Ineligibility**

(1) The Respondent certifies, by submission of this solicitation, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any federal or local programs in the Territory or any Federal department or agency.

(2) Signing this Certification without disclosing all pertinent information about a debarment or suspension shall result in rejection of the offer or cancellation of a contract. The VIWMA may also exercise any other remedy available by law.

(3) Where the Respondent is unable to certify any of the statements in this certification, such Respondent shall attach an explanation to this solicitation.

Name of Authorized Representative: _____

Title of Authorized Representative: _____

Signature: _____ Date: _____

Subscribed and sworn to before me on/in the Island/State of _____, this _____ day of _____, 2023, by _____ of legal age, _____ and personally, known to me.

(Trade or Corporation)

(SEAL)

Notary Public

ENCLOSURE DOCUMENT D
VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
RESPONDENT QUALIFICATIONS STATEMENT

Name of License Holder: _____

Name of Company/DBA (if any): _____

Legal Status (check one): Corporation LLC Sole Proprietorship Partnership

Business Location (Office): _____

Mailing Address: _____

Telephone Number: _____ Fax Number: _____ Email: _____

Website address (if any): _____

Do you have a current USVI Business License? Yes No

Number of Years licensed to conduct business in the USVI: _____

Type of License(s): _____

Number of Design/Builds completed in the last 5 Years _____, Average value of these Contracts \$: _____

Do you have a plan to use Subcontractors? Yes No If yes, company:

Have you ever failed to complete a project, been fired, sued by one of your clients and/or found in default of contract terms? Yes No

If yes, explain on another sheet if a Performance Bond or other means were used to resolve the issue and the circumstances and the outcome.

Are there or have there been any Claims, Arbitration, Judgments or Liens against you?

Yes No

If yes, explain on another sheet the circumstances and outcome.

List three non-VIWMA references that can be contacted for their input concerning your abilities:

1) Client Name: _____ Contact Number: _____

2) Client Name: _____ Contact Number: _____

3) Client Name: _____ Contact Number: _____

List your current Projects under Contract (Project Title or Clients Name), Value (Contract Value) and Percentage of Completion:

1)Client Name: _____ Value: _____ % _____

2)Client Name: _____ Value: _____ % _____

3)Client Name: _____ Value: _____ % _____

(If you have more contracts, please list on separate sheet)

Respondent shall certify that the above information is true and shall grant permission to VIWMA to contact the above-named person or otherwise verify the information.

ENCLOSURE DOCUMENT E
VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
CONTRACT DOCUMENT CHECKLIST

Name of Business: _____
Contact Person: _____
Telephone Number: _____
Email Address: _____
EIN Number: _____
CAGE Number: _____

- | | | |
|--|-----------------|---------------|
| <input type="checkbox"/> Current USVI Business License | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Government Insurance Coverage/Workman's Comp. | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Insurance | | |
| <input type="checkbox"/> Certificate of General Liability & Endorsement | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Proof of Automobile Insurance | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Certificate of Professional Liability & Endorsement | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Errors & Omissions Insurance | Expiration Date | ___/___/20___ |
| <input type="checkbox"/> Malpractice Insurance | Expiration Date | ___/___/20___ |

The Insurance Policy shall name the VIWMA as a Certificate Holder and an Additional Insured via an endorsement as followed:

Virgin Island Waste Management Authority
7410 Estate Bovoni, Bay 2
St. Thomas, USVI 00802

Business Formation Documents

For all business entities, please submit a Trade Name Certificate (if applicable) in addition to the following:

- | | |
|--|---|
| <input type="checkbox"/> Corporation | <input type="checkbox"/> Articles of Incorporation & By Laws |
| | <input type="checkbox"/> Certificate of Resolution |
| | <input type="checkbox"/> Certificate of Authority/ Good Standing |
| <input type="checkbox"/> LLC | <input type="checkbox"/> Articles of Organization |
| | <input type="checkbox"/> Certificate of Authority/ Good Standing |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> Partnership Agreement |
| | <input type="checkbox"/> Certificate of Authority/ Good Standing |
| <input type="checkbox"/> LP, LLP, LLLP | <input type="checkbox"/> Certificate of Ltd. Partnership or Statement of Qualifications |
| | <input type="checkbox"/> Certificate of Authority/ Good Standing |
| <input type="checkbox"/> Sole Proprietorship | <input type="checkbox"/> Tradename Certificate |

ENCLOSURE DOCUMENT F
VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
BASE BID SHEET

QUANTITY	DESCRIPTION	UNIT	UNIT COST	COST
12	Duplex Pump Control Panel w/ TPC-X Digital Controller,(Easy to Maintain) w Level Transmitter & Float kit	EA		
24	20HP submersible chopper sewerage pumps w/ 4-inch flanged discharge	EA		
20	4-INCH Cast Iron Gate Valve, 4 in FLG,	EA		
20	4 in. AWWA C508 Ductile Iron, 300 PSI Swing Check Valve With Outside L/W	EA		
20	4" Female Camlock x 4" Male Camlock 90 Degree Elbow	EA		
40	4" Male Camlock Adapter x 150# Flange	EA		
20	4" Female Camlock x 4" Female NPT 90 Degree Elbow	EA		
100	4" Flange Pack, Includes 1/8" Full-Face Gasket & 8 Stainless Bolts	EA		
20	Black 4" x 20' Camlock / Threaded Suction Hose	EA		
80	Adjustable Pipe & Meter Support Stand, Flange Style (Fits 4" Flange)	EA		
60	4" Schedule 80 PVC Slip Flange	EA		
40	4" Schedule 80 PVC Slip 90 Elbow	EA		
400	4" Schedule 80 PVC Pipe	FT		
12	Lift-station JIB Hoist	EA		
1	Shipping & Handling to St. Croix, USVI	LS		
	TOTAL COST			\$

Name of Company's Certifying Official (Print)

Signature of Certifying Official

Name of Company

Date

ENCLOSURE DOCUMENT G
VIRGIN ISLANDS WASTE MANAGEMENT AUTHORITY
EQUIPMENT SPECIFICATION SHEET

Respondents are responsible for identifying the Equipment Specifications for all requested line items below.

	VIWMA	Vendor
Pump Control Panel w/TPC-X Digital Controller,(Easy to Maintain) w Level Transmitter & Float kit		
Qty (STX Small Pump Stations)	13	
Brand Name/Model #		
Industrial grade	508A	
Pad lockable fiberglass enclosure	NEMA 4X rated	
Voltage (V)	208, 240 and 480	
Phase	3	
Measuring cable (ft)/Range (mA)	25/4-20	
Backup float operation	Independent	
TPC-X controller	State-of-the-art with graphic display	
Auxiliary alarm contact	Yes	
Lightning arrestor	3-phase	
Din rail	Raised and angled for easy connection	
Motor starter, Rating	IEC HP with adjustable "Fit and Click" overload modules	
Motor starter, Hp	20 @ 208V, 240V or 40 @ 480V	
Motor starter, Amps	30.0 - 32.0 FLA	
Class	10 ambient compensated overload relay	
Pump short circuit disconnect/overload reset accessible through inner door	Yes	
Hand-Off-Auto selector switches	Yes	
LED alarm beacon	Yes	

	VIWMA	Vendor
Submersible chopper sewerage pumps		
Qty (STX Small Pump Stations)	26	
Pump Info		
Brand Name/Model #		
Horsepower (Hp)	20	
Suction Size (in)	4	
Discharge Size (in)	4 (125 lb. Horizontal flange slotted to accommodate 100mm ISO flanges)	
Striker Plate	440C Stainless steel heat treated to 53-60 HRC hole pattern to accommodate 4"-125# flange	
Impeller (Material)		
Cord Entry	Custom molded quick connected for sealing and strain relief (E21 & E28 FRAME ONLY)	
Fluid Temp, Max (°F/°C)	104/(40) Continuous	
Volute (Material)	Cast iron ASTM A-48, Class 30	
Wear Ring	C954 Lead-free bronze	
Slicing Blade	440C Stainless steel heat treated to 53-60 HRCO	
O-Rings	Buna-N	
Hardware	300 (SS) Series stainless steel	
Motor Info		
Shaft	416 (SS) Stainless steel	
Start Per Hour	15 (evenly spread)	
Cooling System		
Submergence Max depth (ft/m)	66/20	
Motor Housing	Cast iron ASTM A-48, Class 35B	
Seal Bracket	Cast iron ASTM A-48, Class 35B	
Operating Speed, Max (rpm)	1750	
Bearing Bracket Assembly	Cast iron ASTM A-48, Class 35B	

	VIWMA	Vendor
Motor Info		
Hardware/Lifting Bail	300 Series stainless steel	
Seal		
Power Cord	CSA certified submersible power cable	
Motor End Coating System	Resicoat R4 Powder Coat Epoxy	
Pump End Coating System	Axalta Corlar Amidoamine Epoxy	
Operating Pressure Range, Max (psi)	105 - 110	
EQUIPMENT:	White iron impeller, impeller trims, impeller types, cord length, seal options, certified testing	
Marking	CSA	
Moisture Sensor	Normally open (N/O) float sensor with resistor, located in seal chamber, requires relay in control panel	
Temperature Sensor	Three-phase - Three normally closed (N/C) thermal sensors, one per phase, embedded in stator windings, to be wired in series with control circuit.	
Overload Protection	Three-phase (must be included in the control panel)	

	VIWMA	Vendor
Gate Valve		
Qty (STX Small Pump Stations)	20	
Material	Cast Iron (Class 125)	
Suction Size (in)	4	
Discharge Size (in)	4	
Flange	Flanged by flanged comply with ASTM A126/Flange grooved shall comply with ASTM A536.;	
CWP (Cold Water Pressure) (Psi/Bar)	200/14	
Operating Temperature (°F)	140	
Stem	Non-rising	
Full port flow	Yes	
Internal	Epoxy coated	
Standards		
Face-to-Face Dimension	Comply with ASME B16.10 Class	
Flange End connection	Comply with ASME B16.1 Class 125 & AWWA Class D	
Flanges - Flat Faced and Smooth Finished	Yes	
Flange Grooved End Connection	Comply with AWWA C515 & C606	
Configuration		
Flanged x Flanged	AWWA C509	

	VIWMA	Vendor
4-inch Check Valve (Swing valve with lever & weight)		
Qty (STX Small Pump Stations)	20	
Brand Name/Model #		
Suction Size (in)	4	
Discharge Size (in)	4	
Ductile Iron Body Rating (Psi)	300	
Seating	Metal to Metal (Resilient)	
Body - FBE (Fusion Bonded Epoxy)	AWWA C508 (inside/out)	
Outside Bolts/Nuts	304 SS	
Hinge Pin	420 SS	
Vent Port	Full Domed Access Cover	
Spring Kit/ Lifting Eye for installation - capability	Yes	

	VIWMA	Vendor
4-inch Female Camlock by 4- inch Male Camlock by 150# Flange		
Qty (STX Small Pump Stations)	20	
Brand Name/Model #		
Elbow (Deg)	90	
Type	FA Camlock (Cam and Groove)	
Camlock Pressure Rating (Psi)	100	
Body - FBE (Fusion Bonded Epoxy)	AWWA C508 (inside/out)	
Outside Bolts/Nuts	304 SS	
Hinge Pin	420 SS	
Body	Aluminum (Corrosion and abrasion Resistant, Light Weight)	

	VIWMA	Vendor
4-inch Male Camlock Adapter by 150# Flange		
Qty (STX Small Pump Stations)	40	
Brand Name/Model #		
Type	FA Camlock (Cam and Groove)	
Camlock Pressure Rating (Psi)	100	
Body - FBE (Fusion Bonded Epoxy)	AWWA C508 (inside/out)	
Outside Bolts/Nuts	304 SS	
Hinge Pin	420 SS	
Body	Aluminum (Corrosion and abrasion Resistant, Light Weight)	

	VIWMA	Vendor
4" Female Camlock by 4-inch Female NPT 90 Degree Elbow		
Qty (STX Small Pump Stations)	20	
Brand Name/Model #		
Type	FA Camlock (Cam and Groove)	
Camlock Pressure Rating (Psi)	100	
Body - FBE (Fusion Bonded Epoxy)	AWWA C508 (inside/out)	
Outside Bolts/Nuts	304 SS	
Hinge Pin	420 SS	
Body	Aluminum (Corrosion and abrasion Resistant, Light Weight)	

	VIWMA	Vendor
4-inch Flange Pack		
Qty (STX Small Pump Stations)	100	
Brand Name/Model #		
Type	FA Camlock (Cam and Groove)	
Gasket	1/8-inch Full-Face	
Bolts	8 Stainless	
Camlock Pressure Rating (Psi)	100	
Body - FBE (Fusion Bonded Epoxy)	AWWA C508 (inside/out)	
Outside Bolts/Nuts	304 SS	
Hinge Pin	420 SS	
Body	Aluminum (Corrosion and abrasion Resistant, Light Weight)	

	VIWMA	Vendor
Black 4-inch by 20-feet Camlock/Threaded Suction Hose		
Qty (STX Small Pump Stations)	20	
Brand Name/Model #		
Suction Hose Length (ft)	20	
Male Coupling	Aluminum 4-inch NPT	
Male Coupling	Connect to a Female 4-inch NPT	
Female Camlock Coupling	Aluminum 4 inch (I.D. - 4.763) - Type "C" Shank	
Bend Radius (in)	Approx. -8	
Hose ID (in)	4	
Working Pressure (Psi)	100	
Working Temperature (°F)	158 to -13	
Tube	Natural and Synthetic Rubber	

	VIWMA	Vendor
Adjustable Pipe & Meter Support Stand, Flange Style		
Qty (STX Small Pump Stations)	80	
Brand Name/Model #		
Pipe Size (in)	4	
Extension Pipe Size Compatibility:	2-inch Sch 40	
Base Plate Dimensions (in)	8 by 8 by 0.25	
Min. Height from Floor (in)	7	

	VIWMA	Vendor
4-inch Schedule 80 PVC Slip 90 Elbow		
Qty (STX Small Pump Stations)	40	
Brand Name/Model #		
Pipe and fittings (virgin rigid PVC (polyvinyl chloride) vinyl compounds	cell class of 12454 as identified in ASTM D 1784	
PVC Sch 80 pipe	Iron Pipe Size (IPS) conforming to ASTM D 1785	
Injection molded PVC Sch 80		
Fittings	Conform to ASTM D 2467	
Threaded fittings	Conform to ASTM D 2464	
Pipe Size (in)	4	
Pipe and fittings	Conform to NSF International Standard 61 and the health effects portion of NSF Standard 14	

	VIWMA	Vendor
4-inch Schedule 80 PVC Pipe		
Qty (STX Small Pump Stations)	400 ft	
Brand Name/Model #		
Pipe and fittings (virgin rigid PVC (polyvinyl chloride) vinyl compounds	cell class of 12454 as identified in ASTM D 1784	
PVC Sch 80 pipe	Iron Pipe Size (IPS) conforming to ASTM D 1785	
Injection molded PVC Sch 80		
Fittings	Conform to ASTM D 2467	
Threaded fittings	Conform to ASTM D 2464	
Pipe Size (in)	4	
Pipe and fittings	Conform to NSF International Standard 61 and the health effects portion of NSF Standard 14	

	VIWMA	Vendor
Lift-station JIB Hoist		
Qty (STX Small Pump Stations)	13	
Brand Name/Model #		
Power Lift Jib Cranes	Material handling applications and wet well applications	
Horsepower (Hp)	1/3	
Voltage (V)	115 (AC units)	
Switch	Fingertip to raise and lower hook (Meets ANSI and OSHA specification)	
Mounting Plate (in by in)	12 by 12	
Folds for storage	Yes	
Capacity Range (lbs)	1,500 - 2,000 @ 27'-13/16" boom extension	
Locking Manual Rotation	360°	
Cable Length (ft)	25	
Cable Thickness (in)	7/32 (AC units)	