



Bid Number 50-00124610

**PURCHASE OF VACUUM TRUCKS FOR THE JEFFERSON PARISH
DEPARTMENT OF SEWERAGE**

BID DUE: NOVEMBER 27, 2018 AT 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer Name: Misty A. Camardelle
Buyer Email: mcamardelle@jeffparish.net
Buyer Phone: 504-364-2683**



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Renny Simno
Director

July 2018

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- For all advertised sealed bids, written evidence of signature authority must be included with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- **Proof of insurance in the form of a current certificate evidencing coverages is required with bid submission.** Bidders must read the insurance requirements attachment included in each bid package for specific instructions. Upon contract execution, successful bidder must produce final insurance certificates in accordance with Jefferson Parish insurance requirements.

Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

Joseph S. Yenni Building – 1221 Elmwood Park Blvd., Ste. 404, Jefferson, LA 70123

Office 504.364.2678

General Government Bldg. – 200 Derbigny St – Suite 4400 - Gretna, LA 70053

Office 504.364.2678

Email: Purchasing@jeffparish.net Website: www.jeffparish.net

JEFFERSON PARISH DEPARTMENT OF FLEET MANAGEMENT

Vehicle-Equipment Specifications

Specification Number: 010-2018

IN ORDER TO AVOID ANY UNCERTAINTY, BIDDER SHALL COMPLETE THE BIDDER SECTION WITH A DESCRIPTION OF ITEM BID LISTING BRAND NAME AND PERTINENT DETAILS OF ITEM.

A LOUISIANA'S STATE DEALER LICENSE IS REQUIRED IN ACCORDANCE WITH LA RS 32:1254 ET SEQ. VENDOR MUST PROVIDE A COPY OF THEIR VALID LOUISIANA DEALER'S LICENSE WITH BID SUBMISSION

NOTE:

THE USE OF CHECKS AND FAILURE TO PROVIDE DESCRIPTION ON ANY SPECIFICATION LISTED IN THIS BID DOCUMENT SHALL RESULT IN BID BEING FOUND NON-RESPONSIVE AND, THEREFORE, REJECTED.

NOTE:

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified with bid. Bidders must include substitute/equivalent brand name.

JEFFERSON PARISH DEPARTMENT OF SEWERAGE SPECIFICATIONS

TRUCK MOUNTED JET RODDER WITH VACUUM SYSTEM

500 GALLONS; 3000PSI@40GPM

DUAL HYDRAULIC HOSE REELS

GENERAL TERMS:

All equipment furnished under this specification must be new and in current production. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, must also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies, sub-assemblies, and component

parts shall be standard and interchangeable throughout the entire quantity of units, as specified in this bid. The equipment furnished shall be manufactured in the USA. A Louisiana's state dealer's license is required, in accordance with LA RS 32:1254 et seq. Vendor must provide a copy of their Louisiana dealer's license with their bid.

GUARANTEE:

The body shall be covered by minimum of a 12 month warranty against manufactured defects. Extended warranty items are listed in specifications.

JETTING SYSTEM:

Tank

The capacity of the tank shall be at least 500 gallons. Construction shall be high density polyethylene with ultraviolet inhibitors to prevent undue brittleness when exposed to sunlight and shall be of round design for additional strength. White or clear tanks will not be acceptable, due to algae growth from sunlight. Tank shall have sight gauge visible from operator's station. The sight gauge shall be connected to the tank on the top and the bottom of the gauge. Open-ended gauges are not acceptable. The tank shall be mounted over the rear axle for optimum load distribution. The tank shall have a minimum five(5) year standard manufacturer's warranty.

A 2-1/2 inch overhead type tank filling assembly shall be located on the curbside. A positive air gap anti-siphon system shall be incorporated to protect the portable water supply. A 25 air gap anti-siphon system shall be incorporated to protect the portable water supply. A 25 foot x 2-1/2 inch curb side filler hose with fittings and carrying rack (aluminum construction) must be included.

The tank shall be vented and fitted with a suitable removable port to permit inspection and access into the tank.

The system shall incorporate a suction line and a slope bottom tank to permit utilizing the entire bottom portion of the tank and settling chamber for heavy materials and to eliminate the possibility of these materials reaching the pump.

A final strainer shall be provided in the main water pump feed line. The strainer cap shall be removable by hand. Strainers requiring tools to remove the cap are unacceptable.

The tank shall be mounted in such a manner as to prohibit torsional racking of the frame from transmitting through the tank.

The tie down pipes shall be aluminum. Nylon tie down straps will not be accepted.

The tank shall have a minimum 2-1/2 inch ball valve for isolating the filter strainer. Gate valves are not acceptable.

Pump:

The pump shall be belt driven L Bracket design, triplex positive displacement, heavy duty, single acting, and triple plunger type. It shall be installed to operate at 40 GPM @3000 PSI.

The water pump to be deck mounted between the water tank and cab of truck for nose suppression to operator.

The plungers shall be ceramic material.

The valves shall be stacked. Pressed in valves will not be accepted.

The water pump shall carry a two (2) year manufacturer's warranty.

Pump system shall include muti-flow feature at control panel, feature to allow pressure changes with use of needle valve without changing the rpm of the engine.

Air purge system with air valve and needle valve located on a pressure outlet on the water pump must be provided.

Winter recirculation must be provided.

Spray bar front bumper adjustable with 8 removable jets. The system to have in cab controls for auxiliary engine ignition, pressure control, engine rpm, and pressure gauge. Spray bar to operate up to 3000 psi.

DUAL HYDRAULIC ARTICULATING HOSE REEL ASSEMBLY:

The unit shall be equipped with independent dual hose reels. Hose reels to be rear mounted on a single 3/8 inch steel plate and have 800 foot capacity of 3/4 inch sewer hose and 800 foot 1/2 inch sewer hose. The hose reels shall be narrow design for easy level wind; reels shall not exceed 12 inches in width. Hose reels shall be constructed of a minimum of 3/8 inch steel to withstand maximum working pressure without distortion. 1/4 inch hose reels requiring flanges for support will not be accepted. The hose reel shall be mounted to truck frame for lower profile. The hose reel shall not exceed 35 inches from ground level for ease of operation.

The hose reels shall be driven by hydraulic power in both directions. The hydraulic drive shall have sufficient power to retract the hose when fully extended into the sewer with the cleaning nozzle in operation. The reel shall be driven dual chain drive from the reel motor.

One hose guide (double poly roller design hinged in center) shall be provided to permit proper alignment of the 3/4 inch hose on the reel. The guide shall be pinned in place when not in use.

One hose guide (single roller design) shall be provided to permit proper alignment of the 1/2 inch hose on the reel. The guide shall be pinned in place when not in use.

The reels shall be so constructed that there are no elbows or fittings inside the drum to hinder winding and to cause maintenance problems. The hose shall enter the reels through the high pressure tubing side flange to permit ease in winding and to minimize the possibility of damage to the hose.

The hose reels and center mounted aluminum control panel shall simultaneously hydraulically articulate 90 degrees to each side of center. The reels shall articulate on a heavy-duty worm gear. For operator's safety and ease of operation, the hose reels shall lock hydraulically in any position throughout its travel. Manual swing reels with locking pin are unacceptable.

A directional valve shall be supplied at operator station for alternating hydraulic drive and hydraulic articulation.

The hose reel swivels shall be greaseable and carry one (1) year warranty.

For operator's safety and ease of operation, the hose reel shall be infinitely lockable throughout its travel. Units with reset locking pins will not be accepted.

The reels shall lock in position and articulate by a lever at control panel

The jet hose reel shall be equipped with hose footage counter.

HOSE REELS DRIVE SYSTEM

The hydraulic power for driving the hose reels shall consist of a hydraulic pump gear direct driven by the engine, a direction (reel in & out), and a speed control valve with a built in overload relief and hydraulic hose rated to withstand the maximum system pressure.

The hydraulic pump shall have a minimum capacity of at least 8 GPM @2500 RPM.

The steel oil reservoir tank shall have a minimum capacity of at least 12 gallons

A directional valve shall be supplied at operator station for alternating hydraulics between the hose reels.

The hydraulic oil filter shall be the spin-on, in-line type

CONTROL PANEL:

All gauges, switches, levers, necessary for the operation of the units, shall be grouped on a single control panel mounted between the dual hose reel, so the operator may have complete control of the cleaning operation while standing at one location. The control panel shall be constructed of aluminum.

The following instruments and controls shall be located at the hose reels operator station:

- Keyed engine ignition switch/with electric throttle
- Digital gauge package and water pressure gauge

- Lever for diverting hydraulic flow to each hose reel
- Lever for diverting the water flow to each hose reel
- Lever for controlling the speed and direction of the hose reel when moved from a central position
- Flow control valve for further control of reels speed for safety of operator
- Single exterior mounted high pressure lever water control valve shall regulate direction of water to hose reel or back to tank
- The control panel shall move with the hose reels
- Safety lanyard: A safety lanyard shall be utilized when the main water pump is in use. The lanyard shall be attached to the operator and cause the water pump engine to shutdown if the operator leaves the operators station
- Control panel light

Work light mounted lower control panel

ENGINE AUXILIARY WITH TWIN DISC CLUTCH:

The engine shall have a minimum two (2) year standard manufacturer's warranty.

The engine shall be a Tier III diesel. Water-cooled, wet sleeved, heavy duty, industrial type having a rating of 80 HP at 2,400 RPM.

The engine shall be mounted between the water tank and cab of the chassis for ease of access and noise suppression for the operator.

The engine shall be installed so that it is easily accessible for maintenance and service. Engine shrouding a belt guard to be constructed of aluminum tread plate.

The fuel shall be accessible via the chassis fuel tank tie in.

All required accessories shall be furnished, including:

- Built in hi-temp low oil shut down system
- 12-volt ignition system with alternator and battery
- Electric throttle
- Starter with lock starting switch
- Replacement cartridge type oil filter
- Positive crank case ventilation system
- Governor to limit RPM
- Muffler
- Digital gauge package
- Fuel to be supplied from the chassis fuel tank

PIPING:

All piping system shall be bolted to the under frame and be removable. Construction of piping system shall be high pressure tubing to be rated to exceed pump pressure capacity. Pump suction lines and low pressure return piping systems may be standard weight pipe with malleable fittings. Heater hoses and vinyl are not acceptable for return hoses. Piping welded to frame will be unacceptable.

A strainer shall be top deck mounted for ease of operations and be installed in the suction line to prevent foreign material from damaging the pump, and at a location permitting easy accessibility for cleaning.

A relief valve adjustable from 0-3000 PSI shall regulate pressure to the sewer-cleaning nozzle. The valve must be repairable; throw away type sealed units are not acceptable.

MAIN FRAME:

The frame shall be bolted to the chassis frame utilizing shear plates. U-bolt systems will not be accepted.

All decking shall be diamond tread plate steel for operator safety.

Steps shall be provided on curbside of the unit.

The unit frame shall be a minimum of 10 inches front & rear, and 6 inches rail formed 3/16 inch channel.

STANDARD SEWER CLEANING ACCESSORIES

Following 3/4 inch cleaning hoses to be supplied:

- One 3/4 inch stainless steel sewer-cleaning nozzle having five 35-degree rearward jets
- One 1/2 inch stainless steel sewer-cleaning nozzle having five 35-degree rearward jets
- One 3/4 inch stainless steel sewer-cleaning nozzle having five 15-degree rearward jets
- One 1/2 inch stainless steel sewer-cleaning nozzle having five 15-degree rearward jets
- One 3/4 inch skid assembly, 6 inches long, threaded for hose fittings and nozzle
- One 1/2 inch skid assembly, 6 inches long, threaded for hose fittings and nozzle

Two nozzle storage rack for 3/4 inch and 1/2 inch nozzles

Following 3/4 inch cleaning hoses to be supplied:

- 600 foot 3/4 inch 3000 PSI jet hose
- 500 foot 1/2 inch 4000 PSI jet hose
- Leader hose (steel wire braid) 3/4 inch x 10 feet long
- Leader hose (steel wire braid) 1/2 inch x 10 feet long
- 3 inch tiger tail hose protector
- 2 inch tiger tail hose protector

Wash down system includes:

- 25 foot hand gun hose with hand gun
- Handgun relief valve (the relief valve shall be adjustable)
- The hand gun system shall operate at a minimum of 500 PSI and a maximum of 800 PSI. The quick disconnect for the handgun shall be mounted at the operator station.
- Upper manhole roller constructed of aluminum

TOOL BOXES:

One (1) 12 inch x 14 inch x 72 inch full toolbox shall be installed between water tank and reel mounted above frame.

Two (2) 18 inch x 18 inch x 40 inch toolbox shall be installed on unit above the frame on driver's side.

One (1) 19 inch x 33 inch x 40 inch toolbox shall be installed on unit above the frame on driver's side.

Boxes shall be made of diamond tread plate aluminum and shall lock.

One (1) 14 inch x 14 inch x 36 inch tool tray aluminum construction above the frame on driver's side.

LIGHTING:

- Stop lights
- Tail light and direction light
- Markers
- DOT/ICC lighting to meet Federal/State laws
- Two (2) upper work lights mounted on each side of the arrow stick at operator station
- One (1) strobe light with limb guard to be mounted on the unit. On/Off switched to be located in the cab.
- One (1) directional traffic arrow stick to be mounted on the rear of the unit. Controls for the arrow stick shall be located in the cab.

VACUUM SYSTEM:

The capacity of the tank shall be a least 100 gallons.

Construction shall be carbon steel.

The vacuum system shall be hydraulic driven, utilizing a direct drive hydraulic pump off the auxiliary engine. Due to emissions and securing independent operation of the sewer cleaner, vacuum systems driven of the chassis PTO will not be accepted.

The vacuum tank shall have a full opening rear door with 4 wing bolts.

The positive displacement blower system shall incorporate an electric on/off system located on control panel.

Body Wash Out System shall be installed forward in the vacuum tank. The body washout system shall have a 3-way ball valve for utilizing the main water pump pressure.

The PD (positive displacement) blower vacuum blower shall be a minimum 500 CFM.

The system shall incorporate a 4 inch port final muffler.

The pump and hydraulic motor shall be mounted for easy access.

The hydraulic system shall be installed and limit the blower from over speeding.

The filtration system shall utilize a minimum of the following:

- primary moisture trap and float ball
- final filter
- all traps shall incorporate full opening access doors for cleaning and maintenance

The blower speed controls shall be mounted on the hose reel control panel

Three (3) 3 inch aluminum vacuum tubes in the following lengths:

- 4 foot Crown with male and female cam-lock ends
- 4 foot with male and female cam-lock ends
- 5 foot with male and female cam-lock ends
- 10 foot vacuum hose with male and female ends

The piping and hose shall have storage racks for all pipes and hoses. The rack shall be accessible from ground level.

A pipe storage rack from the tubing and hose shall be permanently installed on the vacuum tank.

PAINTING AND LINER

Entire module frame, debris tank, and hose reel shall be sprayed with industrial speed liner. The frame shall be coated top and bottom 8-10 MIL. Components shall be coated separately prior to assembly. The engine compartment and guards shall not be coated. They will be constructed of aluminum diamond treat plate.

All hydraulic, water pressure fittings and hoses shall be free of the liner.

CHASSIS:

(New) cab over style, or equal

Engine 4.74 Liter Diesel Displacement 5.19L/317

Fuel system turbocharged DI

SAE net horsepower @ RPM 215 @ 2550

SAE net torque @ RPM 452 1850

Fuel tank capacity, approx. 30 gal.

Automatic transmission

Type 6-speed automatic w/OD

ELECTRICAL:

Cold cranking Amps @ 0 degrees Fahrenheit (primary) 750

Cold cranking Amps @ 0 degrees Fahrenheit (2nd) 750

Maximum alternator capacity (amps) 110

Brake type power

Brake ABS system 4-wheel

Power steering

AM/FM stereo

Electric windows

A/C, heater, defroster

Bucket driver seat, split passenger

Exhaust, brake-butterfly type

19,500 GVWR chassis rating, 109 CA

Front gross axle weight rating: 7,275 lbs.

Rear gross axle weight rating: 13,660 lbs.

Suspension type - front tapered leaf

Suspension type - rear multi-leaf

Steering type power

Turning diameter - curb to curb 28.5 ft.

Turning diameter - wall to wall 33.0 ft.

Tires 225/70R 19.5F radial tubless

Reverse Alarm Warning system camera type

WARRANTY SERVICE REPAIRS MUST BE INITIATED WITHIN TWO (2) HOURS OF NOTIFICATION.

THE BODY SHALL BE COVERED BY MINIMUM, OF A TWELVE (12) MONTH WARRANTY AGAINST MANUFACTURED DEFECTS. EXTENDED WARRANTY ITEMS ARE LISTED IN SPECIFICATIONS

WARRANTY: See TII Proposal

MANUALS: (2) PARTS, (2) SERVICE MANUALS, (2) WIRING DIAGRAMS IF MANUFACTURER STILL PROVIDES. IF NO MANUALS, CD'S WILL BE ACCEDPTED

SAFETY: MUST MEET OR EXCEED ALL FEDERAL AND STATE SAFETY STANDARD

DATE: 11/07/2018
BID NO.: 50-00124610

INVITATION TO BID
THIS IS NOT AN ORDER

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JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: MCamardelle@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 11/27/2018 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE AND RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online.

This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Prior to contract executions/purchase order issuance, the successful bidder will be required to provide final insurance certificates which shall name Jefferson Parish as an additional insured in accordance with the instructions in the aforementioned "Standard Insurance Requirements" sheet.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

See Page 1 for Conflicts of Interest Statement

DATE: 11/07/2018

Page: 5

BID NO.: 50-00124610

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO x

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

See Attached

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Technology International, Inc.

ADDRESS: 1349 South International Pkwy, Suite 2411

CITY, STATE: Lake Mary, Florida

ZIP: 32746

TELEPHONE: (407) 359-2373

FAX: (407) 359-2372

EMAIL ADDRESS: tii@tii-usa.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$333,960.00

AUTHORIZED
SIGNATURE: _____

Naveed Habib

Printed Name

TITLE: Products & Applications Engr.

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00124610

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>PURCHASE OF VACUUM TRUCKS FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE</p> <p>0010 VACUUM TRUCK, 2018/2019 TRUCK MOUNTED JET RODDER WITH VACUUM SYSTEM 500 GALLONS; 3000 PSI @ 40 GPM DUAL HYDRAULIC HOSE REELS WASHOUT TRUCK TO BE MOUNTED ON AN ISUZU CAB OVER</p> <p>***Please see our Equipment Proposal TII/LA/1118/10324 attached.</p>	\$166,980.00	\$333,960.00

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF Technology International, Inc.
INCORPORATED, DULY NOTICED AND HELD ON Naveed Habib,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Naveed Habib, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ~~ATTORNEY-IN-
FACT~~ OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



SECRETARY-TREASURER

11/27/18

DATE

Non-Public Works Bid Affidavit Instructions

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid**AFFIDAVIT****STATE OF** Florida**PARISH/COUNTY OF** SeminoleBEFORE ME, the undersigned authority, personally came and appeared: Naveed Habib

_____, (Affiant) who after being by me duly sworn, deposed and said that
_____, Products & Applications Technology International, Inc.
he/she is the fully authorized Engr of _____ (Entity),
the party who submitted a bid in response to Bid Number 50-00124610, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ^x _____ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

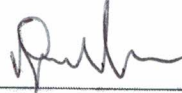
Choice B _____^x There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Naveed Habib Products and Applications Engr.

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 27th DAY OF November, 2018.



Notary Public

M. Shaji Habib

Printed Name of Notary

66 267603

Notary/Bar Roll Number

My commission expires 10/15/2022





Technology International, Inc.
1349 South International Pkwy, Suite 2411
Lake Mary, FL 32746
Tel: (407) 359-2373
Fax: (407) 359-2372
E-mail: tii@tii-usa.com
Website: www.tii-usa.com

Equipment Proposal

Description: Purchase of Vacuum Trucks for the Jefferson Parish Department of Sewerage

Bid #: 5000124610

Agency: Jefferson Parish Government

Our Ref: TII/LA/1118/10324

Date: 11/26/2018

In response to your quote request for Purchase of Vacuum Trucks for the Jefferson Parish Department of Sewerage, Technology International, Inc. is pleased to submit the following for consideration:

ITEM NO.	QTY	DESCRIPTION/ MODEL NO.	UNIT PRICE	EXTD. PRICE
1	2	Dyna-Vac Model # DJ4030 Jetter Truck with Vacuum	\$166,980.00	\$333,960.00
See attached data sheets				
<u>Total price for all above.....\$333,960.00</u>				

Note: We do not have a Louisiana Dealer License. We are a FL Corporation.

Warranty: Manufacturer's Standard warranty applies

Delivery:

- Estimated delivery is **26 WEEKS** after receipt of order and approved submittal
- All delivery dates quoted are subject to manufacturer's confirmation at time of order.
- Submittal data will be provided for approval after receipt of order (if applicable).
- Customer to provide equipment and personnel to unload.
- TII will deliver good title (MSO) to the Agency upon payment confirmation. The Agency is responsible for its own title work and registration (if applicable).

Freight: Freight Included to Jefferson, LA 70123.

Payment Terms: NET 30

Prompt Payment discount: 1/4 % 10 days

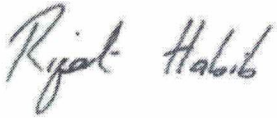
Technology International, Inc. Corporate data:

We are a small business and our Tax Payer Identification Number (TIN): 650342335. The above price quoted does not include any sales, excise or similar taxes. If applicable agency must accrue and remit it directly."

We trust that this proposal will meet your requirements and we look forward to hearing from you.

If you have any questions or need more information, please contact us by phone at 407-359-2373, fax at 407-359-2372 or email us at tii@tii-usa.com

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Rifat Habib".

Rifat Habib
Business Development Exec.
Technology International, Inc.

Dyna-Vac DJ4030 Jetter Truck with Vacuum

Engine and Drive System (Mounted Behind Cab)

Kohler Liquid Cooled Industrial Diesel Engine, T4
M# KDI3404TCR, 102hp @ 2800 RPM
Liquid Cooled with HD Industrial radiator
Turbo Charged
Tie in to Truck Fuel Tank
Battery with Battery Box
Sliding Pump Tensioner
Poly Chain Drive
Steel Pump and Engine Mounting Base with Vibration Isolators
Over center PTO Clutch with Hydraulic Engagement Lever
Aluminum Engine Shroud with Lockable Doors

Pump

General KS32A Triplex Industrial Water Pump
40GPM, 3000 PSI
Heavy Duty Ductile Iron Crankcase
Pressure Regulator with 0-5000 Gauge
2" Suction Inlet with Y Filter, Stainless Strainer, Shut Off Valve
Pressure Regulator with Gauge
Air Purge
Cold weather Recirculation

Water Tank (Mounted over Rear Axle)

500 Gallon Black Polyethylene Holding Tank
10" Top Lid with 2 1/2" Anti-Siphon Fill with Fire Hydrant Connection, Curb Side
Sight Level Tube
Water Pump Port
Return line Port
2" Tank Drain at the Lowest point

Jetter Reel (Located at the Rear Of Truck)

Rear Mounted, 3/4" x 800ft Capacity
3/4" x 600ft, 3500psi Thermoplastic Jetter Hose (Blue)
Rear Mounted, 1/2" x 800ft Capacity
1/2" x 500ft, 3000psi Thermoplastic Jetter Hose (Green)
3/8" Thick Reel Sides
Pivoting Reel, 180deg Hydraulic Rotation

Hydraulic Drive Motors with Dual Chain Drive
Forward, Reverse and Speed Control
5000PSI Swivel Bearings
2 Headed
Manual Hose Guides, Removable, Pinned for Storage
10ft Leader Hoses (Black)
Footage counters
12" Drum Width Maximum for each Reel

Vacuum Pump (Roots 56URAI)

580CFM Positive Displacement Vacuum Pump
Vacuum Capability of 16in-hg
High Efficiency Exhaust Silencer w/ Rain Cap
Cyclonic Inlet Air Filtration System with Pleated Wire Element
Easy Opening Hatch on Filter Housing, No Tools Required
Hydraulic Drive
Electric over Hydraulic Control Valve with Panel Switch
Tank water Clean Out System with Shut-off Valve
3" Vacuum Relief Valves
0-30" Hg Stainless Steel Vacuum Gage, Filter Housing Mounted and Panel Mounted

Debris Tank

100 Gallon Fill Capacity
24" Diameter x 60", 3/16" Thick Steel, Flanged and Dished Heads
Full Opening Rear Door with Wing Nut Locks
3" Inlet with Brass Lever Valve
3" Rear Discharge with Brass Lever Valve
(2) 2" Sight Eyes
Primary Shut-Off with 8" Stainless Steel Float Fall
Tube Storage Rack
Hose Hooks

Front Spray Bar

96" wide, 1" Diameter,
Shut off Valve
8 Removable Jet Nozzles
Cab Controls to include:
 Engine ignition
 Throttle control
 Water pump engagement
 Pressure Gauge

Hydraulics, For Reel Functions

Auxiliary Engine Mounted Pump
25 Gallon Hydraulic Oil tank

Panel Mounted On/Off Control
Replaceable Return Line Filter
Oil Cooler

Controls

Rear Mounted Aluminum Control Panel Including,(in between reels)

- Engine High Idle Speed Control
- Water Pump Control On/Off
- Vacuum Pump Control On/Off
- Reel Controls
- Water Pressure Gauges
- Work Lights

Panel Light

3 Way Valve to switch from reel to reel

Water Shut off Control Valves, Return to Tank

Low Water Alarm

Pendant Control for Reel Functions

Emergency Lanyard, Kills Engine

Skid Frame

6" Tubular Steel Construction for Direct Frame Mounting

Hard Mounts in Rear, Spring loaded in Front

Poly Frame Isolator Mount

Diamond Plate Decking

Curb Side Steps

HD Bumper

Fenders

Mud Flaps

Back up Alarm

Finish

All Steel Parts Sand Blasted

Epoxy Primer

Frame, Vacuum Tank and Hose reels coated with Bed Liner

All Pumps, Valves and Parts to be Painted Painted

High Solids Urethane Finish, **White to Match Cab**

Accessories

Arrow Stick on Back with cab controls

(2) Work Lights, Mounted each Side of Arrow Stick

LED Strobe Light with Limb Guard, Cab Controls

Back up Camera with Display in Cab

3" Tiger Tail with Lanyard

2" Tiger Tail with Lanyard
2 ½"x25ft Roll up Fill Hose
½"x25ft Hose with Hose, Gun, Lance, Nozzle. Quick Disconnect at Operators Station
3"x4ft Aluminum Crown Tube
3"x4ft Aluminum Tube with Cam Lock ends
3"x5ft Aluminum Tube with Cam Lock ends
3"x10ft Vacuum Hose with Cam Lock Ends
Aluminum Manhole guide
Aluminum Storage Box, 12"x14"x72", Mounted Between Water Tank and Reels
(2) Aluminum Storage Box, 18"x18"x40", Above Frame, Driver Side
Aluminum Storage Box, 19"x33"x40", Above Frame, Driver Side
14"x14"x36" Aluminum Tool Tray, Above Frame, Driver Side
¾"x15 deg. Nozzle
¾"x35 deg. Nozzle
½"x15 deg. Nozzle
½"x35 deg. Nozzle
½"x9" Nozzle Skid
¾"x9" Nozzle Skid

Manuals

Operating and Maintenance

Warranty

1 Year Standard Warranty on all fabricated parts
5 Year Limited Water Pump Warranty
3 Year or 2000 Hour Engine Warranty
5 Year Warranty on Water Tank
18 Month Vacuum Pump Warranty

2019 ISUZU NRR Cab Chassis

4HK1-TC, diesel engine 317 CID (5.19L)
215 HP at 2550 RPM: 452 ft.-lb. gross torque at 1850 RPM
Aisin A465/6-speed automatic transmission
19,500 gvwt
110 ca
72" after frame
Clear frame behind cab, driver side
Remote high idle option
Hydraulic Brakes