



HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Bid Packet:

FY 2022 - 2023
Sealed Bid # 2223-04
Jet-Vac Truck

Bid Opening:

Thursday, August 18, 2022 2:00 P.M. CST
401 East Ninth Street, Hopkinsville, Kentucky, 42240
HWEA Boardroom

BID PACKET

A. Invitation to Bid	Page 3
B. General Conditions	Page 4-7
C. Specifications	Page 8-16
D. Acknowledgement of Receipt	Page 17
E. Bid Form	Page 18

IMPORTANT: In the event any of the documents are not enclosed, please advise the Purchasing Officer immediately.



INVITATION TO BID

Sealed bids for furnishing and delivering the following:

FY 2022 - 2023
Sealed Bid # 2223-04
Jet-Vac Truck

will be received at HWEA's Main Office, 401 East 9th Street, P. O. Box 628, Hopkinsville, Kentucky, until 2:00 p.m., CST, on August 18, 2022, at which time the bids will be opened and read aloud publicly in the HWEA Board Room, at the same address.

The Bid Packet contains the Invitation to Bid, General Conditions, Specifications, and Detailed Specifications.

GENERAL CONDITIONS

1. INSTRUCTIONS, SPECIFICATIONS AND FORMS

Instructions, specifications and forms may be obtained via the HWEA website, in person, or by email from the HWEA Purchasing Officer at 401 East 9th Street, Hopkinsville, KY, 42240. Telephone number 270-887-2782, email jrenshaw@hwea-ky.com, or see our website at www.hwea-ky.com.

- (a) All bids shall be submitted on and in accordance with the attached Bid Form. The form shall be signed and dated in the appropriate space.
- (b) Each bid shall be submitted in a sealed envelope and clearly marked on the outside of the envelope with the following:

FY 2022 - 2023
Sealed Bid # 2223-04
Jet-Vac Truck

- (c) If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope: FY 2022-2023 - SEALED BID # 2223-04 - JET-VAC TRUCK and shall be mailed to the HWEA Purchasing Officer, P.O. Box 628, Hopkinsville, KY 42241, allowing sufficient time for such mailing to reach this address prior to the scheduled closing time for receipt of bids.
- (d) Additional information or clarifications of any of the instructions or information contained herein may be obtained from the Purchasing Officer.
- (e) Any bidder or bidders finding any discrepancy in or omission from the specifications, in doubt as to their meaning, or believing that the specifications are discriminatory, shall notify the Purchasing Officer in writing within 5 days of the scheduled opening of bids. Exceptions as taken in no way obligates HWEA to change the specifications. The Purchasing Officer will notify all bidders in writing, of any interpretations made of specifications or instructions.
- (f) HWEA will assume no responsibility for oral instructions or suggestions. All official correspondence in regard to the specifications should be directed to and will be issued by the Purchasing Officer.

- (g) The successful bidder may have to purchase a City of Hopkinsville vendor's license prior to the official award of the bid, in order to meet the requirements of City of Hopkinsville ordinances.
- (h) Any bidder may withdraw their bid either in person or in writing at any time prior to the scheduled time for the receipt for bids. Withdrawals after the scheduled time for the receipt of bids will not be permitted.

2. AWARD OF CONTRACTS

- (a) HWEA Board may award the contract to the bidder it finds to be the most responsive (considering price, time of delivery, compliance with specifications and past experiences) and not necessarily the lowest price. HWEA reserves the right to reject any and all bids.
- (b) All bids will be awarded based on the most current edition of HWEA's Purchasing Policy, as amended.
- (c) All bids will be judged on the basis of best buy to HWEA and compliance with the General Conditions and conformance with the bid specifications. HWEA reserves the right to reject any and all bids.
- (d) Any other considerations or basis for judgment will be stated in the specifications.
- (e) Unless otherwise stated, the Purchasing Officer reserves the right to award contracts or place orders to a single source or divide awards and orders or enact such combination which in his judgment, shall be in the best interest of HWEA.

3. DELIVERY

- (a) Item(s) shall be delivered F.O.B. destination with delivery costs and applicable charges to be included in the bid.

4. COMPETITION

In order to assure fair competition and to permit determination of the best bid:

- (a) The detailed specifications, which may include a name of any manufacturer, trade name, or manufacturer or vendor catalog number mentioned in the specifications or Bid Form is to designate a standard of quality and type and for no other reason.
- (b) Bids which show any omission, irregularity, alteration of forms, additions not called for, conditional or unconditional unresponsive bids, or bids obviously unbalanced may be rejected.
- (c) All bids shall be accompanied by such descriptive literature and documents as may be called for by the specifications or Bid Form.
- (d) Specifications provided are based on HWEA needs and uses, estimated costs of operation and maintenance, and other significant and / or limiting factors to meet HWEA requirements and shall be consistent with HWEA's policies. Minimum or maximum specifications where included, are not established arbitrarily to limit competition or to exclude otherwise competitive bidders.

5. DISPUTES

In cases of disputes, as to whether or not an item or service quoted or delivered meets specifications, the decision of the Purchasing Officer, or authorized representative shall be final and binding on all parties. The Purchasing Officer may request written recommendation of the head of the Department using the item.

6. EXCEPTIONS

The submission of a bid shall be considered an agreement to all the terms, conditions and specifications provided herein as listed in the various bid documents, unless specifically noted otherwise in the space provided on the Bid Form.

7. BID BINDING

Unless otherwise specified, all formal bids submitted shall be firm and irrevocable for a period of sixty (60) calendar days from the date of opening.

8. UNIT PRICING

Unless clearly shown on the Bid Form that it is the intent of the bidder that a reduced total price is being offered on the basis of receiving an award of all items covered by the total, any totals should be the actual sum of the extension of unit price(s), extended price(s), and/or total price(s). If a mistake is observed in arithmetic, unit prices govern and the bid will be refigured accordingly.

9. DELIVERY TIME

The bidder is to indicate on the Bid Form the approximate delivery time / date of the vehicle to HWEA from date of signing contract.

10. WARRANTY

The equipment furnished in accordance with these specifications shall be guaranteed to be free from defect in workmanship, material or equipment.

11. TRAINING

Upon receipt of delivery, a factory trained representative shall provide a minimum of eight hours of startup and training at no additional cost.

SPECIFICATIONS

1. GENERAL SPECIFICATIONS

- (a) All vehicles and equipment furnished under this contract shall be factory equipped with safety equipment and in conformance with the Federal Motor Vehicle Safety Standards and Vehicle Emissions Regulations applicable at time of delivery.
- (b) All equipment is to be equipped with all manufacturer's standard equipment as listed in the manufacturer's literature.
- (c) The equipment shall be manufactured in production and shall be of good listed quality as to workmanship and materials used.

2. INFORMATION TO BE FURNISHED BY BIDDER

- (a) Each bid shall have attached the following information:
 - 1. A copy of manufacturer's warranty, owner's manual and wiring diagram.
 - 2. A copy of the complete descriptive literature to include operation, installation and maintenance instructions.

3. EXCEPTIONS

- (a) Major exceptions to these specifications or failure to submit requested information may be considered cause for rejection of the bid.

DETAILED SPECIFICATIONS

The following are minimum specifications for;

FY 2022 - 2023
Sealed Bid # 2223-04
Jet-Vac Truck

BIDDER SPECIFICATIONS

Bidder is requested to indicate either by writing "Comply" or "Exceptions" whether his product meets the minimum specifications as listed on this opposite side. If "Exception" is written, please indicate in the space provided the deviation.

ANY AND ALL BIDS WHICH ARE RETURNED MUST HAVE THE FOLLOWING PAGES COMPLETED AND RETURNED OR BID MAY NOT BE CONSIDERED.

DETAILED SPECIFICATIONS

DESCRIPTION	COMPLY	EXCEPTION
Qty. 1 - Combination 10 Yard Jet-Vac Truck mounted on a Tandem Axel Peterbilt 348 Chassis		

GENERAL

DESCRIPTION	COMPLY	EXCEPTION
Machine is capable of removing stones, grit, grease, sludge and other debris from sanitary sewer by flushing action of high-pressure water		
The high-pressure sewer cleaner operates independent of the vacuum system		
Machine includes air conveying vacuum system for simultaneous removal of debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens etc.		
Machine is capable of being operated by one person, with all the operating controls for high-pressure water pump, hose reel and vacuum located at the front of the machine, also located on the front of the truck		

TRUCK MECHANICAL

DESCRIPTION	COMPLY	EXCEPTION
ENGINE: Min. 300hp Paccar PX-9 (2013 Emissions) Aluminum flywheel housing, cruise control, and J1939 Provisions provide an interface point for the electronic, Service Analysis-ESA. Magnetic oil drain plug.		
Engine Protection Shutdown includes oil pressure, oil temperature, coolant temperature and intake manifold temperature.		
Exhaust Brake		
Minimum 18.7 CFM air compressor		
Immersion Type Pre-Heater 110-120volt		
160 Amp Alternator		
2 Batteries equaling 2000 cold cranking Amps		
TRANSMISSION: Allison Automatic 3500 RDS-P		
6-Speed Configuration		
Dash Mounted Push Button Shifter		

TRUCK MECHANICAL CONT.

DESCRIPTION	COMPLY	EXCEPTION
1 Dash Mounted Single Action PTO Control		
Huck Bolted Frame		
Minimum RMB FOR Frame 1,775,000 lbs.		
Double Frame w/ Outer C Channel Reinforcement		
3 Piece Cross Member		
Minimum 20,000lb Front Axel		
Minimum 13,2000lb. Front Springs		
Wide Track Front Axle		
Minimum 46,000lb. Rear Tandem Axels		
4,500lb. Helper Springs		
Rear Locking Differential		
Anti-Lock Braking System		
Rear Brake Camshaft Reinforcement		
Brake Dust Shields Front and Rear		
Heated Air Dryer		
In Frame Body Builder Harness		
Sealed Junction Box with Plug in Auto Reset Circuit Breakers		
Trailer Hand Valve		
Air Restriction Indicator		

EXTERIOR

DESCRIPTION	COMPLY	EXCEPTION
Aluminum Cab		
Heated Stainless Steel Cab Mounted Mirrors		
White in Color		
Piano Hinged Doors		
Metton Hood		
Air Ride Cab		
Stainless Steel Stationary Grill		
Aluminum Fuel Tank		
Aluminum Battery Box		
Stainless Steel Sun Visor		
WHEELS: 22.5 Stainless Steel		
TIRES: 11R 22.5 All Season		

EXTERIOR CONT.

DESCRIPTION	COMPLY	EXCEPTION
Severe Service Package (additional reinforcement structure on the cab, firewall and the floor)		
Extended Rear Windows		
Vertical Exhaust on the Right Side		
One Piece Curved Windshield		
Air Horn Mounted under the Cab		
5 LED Marker Lights		

INTERIOR

DESCRIPTION	COMPLY	EXCEPTION
High Back Air Ride Driver's Seat		
Low Back Air Ride Passenger Seat		
Thermal Insulation Package / Noise Reducer		
Tilt and Telescoping Steering Column		
Combo Fresh Air Heated / Air Conditioner		
Dome / Reading Lights		
2 Switches Wired Hot for Extra Lights		
Inside Entry Grab Handles		
AM / FM WB, USB and MP3		
Bluetooth		
Wired for CB Radio		
Safety Kit ie. Triangle Reflectors and 5lb Fire Extinguisher		

DEBRIS BODY

DESCRIPTION	COMPLY	EXCEPTION
True Cylindrical Tank w/ Capacity of 10 Cubic Yards		
White in Color		
Full Opening Rear Tailgate w/ Four Independent Fully Adjustable Hydraulic Locks		
Stainless Steel Tailgate Sealing Rod		
55,000 lbs. Hydraulic Lift Cylinders for Body w/ Safety Pilot Check Valve		
Dual Tailgate Lift Cylinders		
Three Tie Off Anchors on Top of Body		
Debris Body Flush System		
Drain at Bottom of Tailgate - 6" Brass Lever Valve with 15' of Layflat Hose		

DEBRIS BODY CONT.

DESCRIPTION	COMPLY	EXCEPTION
Float Type Liquid Indicator on Side of Debris Tank		
Trash Pump - Stanley 4" 800 GPM with Layflat Hose and Cam-Lock Fittings		
Debris Enters into Top of the Body		
Filter Screen for Pump Off System		
Filter Screen for Drain Valve		
Mounting Tabs for Curbside Ladder		
Purge Valve at Gravity Drain (1 1/4" Ball Valve)		
Galvanized Bolt on Tailgate Splash Shields		

VACUUM SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
Transfer Case Driven PD Blower		
Dual Stainless Steel Shutoff Float Balls		
Noise & Vibration Dampening Mounts		
Stainless Steel Vee-Wire Safety Screen		
6" Safety Vacuum Relief		
Emergency Stop Function for Vacuum		
Vacuum Pump 4,500 CFM and 18" HG		
Filters Shall be Accessible from Ground Level		
Filters Shall be Stainless Steel and Washable		
Cyclone Separator Shall have Quick Removal Cleanout and Inspection Ports		

WATER TANK

DESCRIPTION	COMPLY	EXCEPTION
Water Tank Capacity Minimum 1,500 Gallons		
Water Tank Constructed of 3/16" 304 Stainless Steel		
4" High Anti-Siphon Ring w/ (4) 2 1/2" Holes		
Water Tank Level Sight Tube on Curbside		
Drain Valve at Bottom of Water Tank		
3" Fill Line with 2 1/2" Fire Hose Connection Curbside		
3" Water Strainer w/ Stainless Steel Screen on Water Tank Fill Line		
3" Supply Line to Water Pump Mounted at Rear of Tank		
Galvanized Baffles in the Water Tank		

WATER SYSTEM

DESCRIPTION	COMPLY	EXCEPTION
Shaft Driven Tri-Plex Water Pump System		
800 PSI Washdown Circuit with 50' x 1/2" Hose		
Air Purge System for Primary Circuit		
Water Pump Shall be Powered by the Chassis' Engine via Transmission Mounted PTO		
Water Pump shall be Mounted below the Chassis' Frame		
Low Point Drain Valves on Water Lines		
Set Washdown Circuit to Full Working Pressure		
Water Pump Minimum 63 GPM @ 3,000 PSI		
10 GPM 2,500 PSI Hydraulically Driven Pump		
Multiflow Valve - Set Washdown to Circuit to Full Pressure for Handgun Applications		
System Shall Provide for a Pneumatically Controlled Multiple Flow Control for Different Flow Ratings Ranging from Zero to Maximum Output of Pump		
50' x 1/2" Hand Gun Reel for Washdown Circuit		
50' x 1/2" Hand Gun Reel for Hydro Excavator Circuit		
Hydro Excavator Runs on Secondary 12 GPM @ 3,000 PSI Water Pump		
Air Out System for Hydro Excavator Circuit		
Water Recirculation via Automatic Transmission		
25' x 2 1/2" Layflat Fill Hose		

BOOM

DESCRIPTION	COMPLY	EXCEPTION
8" Front Mounted Telescoping Boom with 26' Reach and 180* Rotation		
Black in Color		
180* Power Rotation via Worm Drive		
Dual 4" Lift Cylinders		
Cab Protection Rack		
Remote Lube for Boom Lift and Rotation		
5 Vacuum Tubes and Clamps		
Lubricating Panel Mounted at Ground Level		

HOSE REEL

DESCRIPTION	COMPLY	EXCEPTION
Front Frame Mounted Hose Reel w/ 180* Articulation		
Hose Reel Rated for 800' of Hose and 4,000 PSI		
Exterior Hose Expansion Ribs		

HOSE REEL CONT.

Digital Footage Counter - Shaft Mounted		
Tiger Tail Hose Guide		
Automatic Hose Level Winder		
Shall Have 1 1/2" Swivel Rated at 4000 PSI Working Pressure		
Hose Reel must Extend Beyond Curbside 40 inches		
No Outriggers on Hose Reel		
Two General Purpose Cleaning Nozzles		
10' x 3/4" Leader Hose		
3/4" Piranha Sewer Hose - 3,000 PSI x 800' Blue		
Black in Color		

CONTROLS, GUAGES and ACCESSORIES

DESCRIPTION	COMPLY	EXCEPTION
Cab-Mounted Air Shift Controls for Blower, Hydraulics and Water Pump		
Weather-Tight Control Panel Mounted at Front Hose Reel		
Operator Control Panel Includes Gauges for Engine, Hydraulics, Vacuum and Water Pump		
Emergency Stop De-Energize Water Pump and Break Vacuum		
Wireless Pendant Remote w/ Boom and Vacuum Functions		
Control System Display Includes: Low Pressure Shutdown Protection, High Water Temperature Shutdown Protection, Engine Overspeed Protection and On-Screen Diagnostics for Water, PTO and Engine Levels		
Debris Body Controls located on Driver Side Forward of Debris Body		
Blower Temperature Gauge Wired to Vacuum Relief		
Hydrant Wrench		
Manhole Lifting Hook		
Top Manhole Roller - Aluminum Body w/ Nylon Roller		

SAFETY

DESCRIPTION	COMPLY	EXCEPTION
Truck-Lite LED Running (Marker) Lights		
LED Stop / Tail / Turn Light with Polished Stainless-Steel Boxes		
One Strobe Light Rear - Whelen L10 Super LED		
2 Boom Work Lights - Hella Optilux LED Work Lights		

SAFETY CONT.

4 Side Work Lights - Hella Optilux LED Work Lights		
2 Rear Work Lights - Hella Optilux LED Work Lights		
Whelen ION Super LED Flashers - 14 Light Heads: 2 on Each Side Front @ 90*, 2 on Each Side Middle @ 45*, 3 on Each Side Rear @ 45*		
Rear Arrow Light – Low Profile LED Arrow Stick		
Cab Light Bar – LED 72” Whelen Liberty Series		
2 High Intensity LED Work Lights (Hella PB1500) on Front Hose Reel to Shine into Manhole		
DOT Lighting / Tailgate Safety Prop, ICC Light		
Remote Actuated Body Safety Prop		
Triangle Kit, Fire Extinguisher and Backup Alarm		
2 Camera - Backup Camera System w/ 7” Color Monitor - Includes Front and Rear - TV-505A and PC-1110		

CHASSIS

DESCRIPTION	COMPLY	EXCEPTION
Fenders, Front and Back Bumpers		
Metal Mud Flaps in Front and Rear Tires		
70 Gallons AW-46 Hydraulic Oil, Level / Temperature Gauge, Shutoff on Suction		
Allison 10-Bolt PTO		
Tow Hooks Rear - Frame Mounted		
Integral Front Frame Extension		
Every Lift Point should be Reinforced w/ Steel Plates		
All Components Shall be Sand Blasted and Two Coats of Primer Applied Prior to Paint		
Black in Color		

STORAGE

DESCRIPTION	COMPLY	EXCEPTION
25’ Fire Hose Basket		
2 Polished Stainless Steel Tube Trays		
Aluminum 36” x 24” x 24” Tool Box Mounted Driver’s Side		
Aluminum 30” x 30” x 24” Tool Box Mounted Curbside		
Wheel Chock Holder - Driver’s Side and Curbside		
Nozzle Rack - Six ¾” Nozzle Holder		
Rear Drain Hose Rack for 6” Layflat Hose x 15’ Long		
2 Bumper Tool Boxes - Aluminum, 16” x 12” x 18” w/ Fold Down Door		

LATERAL CLEANING KIT

DESCRIPTION	COMPLY	EXCEPTION
150' x 1/2" High Pressure Hose		
Cleaning System Shall be Mounted on Curbside		
Removable Lateral Hose Reel		

WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
Standard Truck 1 Year 100,000 Miles		
Standard Engine 2 Year 250,000 Miles		
Standard Transmission 3 Years		
Standard 5 Year Debris Tank and Water Tank Against Rust Through, Distortion and Cracks		
Minimum 1 Year on Combination Cleaning System (Includes Service Tech's Travel)		



RECEIPT OF BID PACKET

FY 2022 - 2023
Sealed Bid # 2223-04
Jet-Vac Truck

I hereby acknowledge receipt of the subject bid packet.

Company Authorized Signature

Date



BID FORM

Company Name: _____

Address: _____

Telephone: _____ Fax: _____

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
One	Jet-Vac Truck	_____	\$ _____

Lead Time: _____

I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Invitation to Bid, General Conditions, Specifications and Bid Form and agree to all terms and conditions as set forth therein.

Signature: _____

Title: _____

Acknowledged before me this _____ day of _____, 2022

 NOTARY PUBLIC
 My Commission Expires: _____