



HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Bid Packet:

FY 2023-2024
Sealed Bid # 2324-11
Cured-In-Place Pipe (CIPP) Lining System Equipment

Bid Opening:

Thursday, March 07, 2024 2:00 P.M. CST
401 East 9th Street, Hopkinsville, KY, 42240, Boardroom

BID PACKET

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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 2023-2024
Sealed Bid # 2324-11
Cured-In-Place Pipe (CIPP) Lining System Equipment

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 Thursday March 07, 2024, 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 2023-2024
Sealed Bid # 2324-11
Cured-In-Place Pipe (CIPP) Lining System

- (c) If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope: FY 2023-2024 - SEALED BID # 2324-11 - CURED-IN-PLACE PIPE (CIPP) LINING SYSTEM EQUIPMENT 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) The 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. HWEA also reserves the right to give favorable consideration to local vendors of up to 10% over the price quoted for like products or services by non-local vendors. "Local Vendor" means any business which holds a current City of Hopkinsville operating Business License.
- (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 service trucks furnished in accordance with these specifications shall be guaranteed to be free from defect in workmanship, material or equipment.

SPECIFICATIONS

1. GENERAL SPECIFICATIONS

- (a) All equipment is to be equipped with all manufacturer's standard equipment as listed in the manufacturer's literature.
- (b) 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.
 - 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 2023-2024
Sealed Bid # 2324-11
Cured-In-Place Pipe (CIPP) Lining System Equipment

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 - CIPP PULLER

DESCRIPTION	COMPLY	EXCEPTION
Qty. 1 - 7,500lb Puller Winch Capable of Pulling Liner through Pipe		
Pulling Capacity Max: 7,500lbs		
Bullwheels: Twin capstan, 6" diameter, 5-groove followed by 6-groove		
Gearbox & Line Speed: 1st gear 0-60 fpm at 7,500 lb. with demand payout, 2nd gear 0-120 fpm at 3,500 lb. with demand payout, 3rd gear 0-260 fpm at 1,500 lb. with demand payout		
Winch Gearbox Oil Volume: SAE 90 (4 liter or 4.2 quarts)		
Drive System: Hydraulic		
Hydraulic Fluid: ISO grade 32		
Hydraulic Reservoir: 40-gallon w/ cold weather package optional		
Boom: fully articulating, self-supported 3-axis boom: 50-degree swing arc, left & right: 90-degree swing arc, up & down: 24 in. telescoping, in & out: 17 in. sheave w/ 60-degree swivel head		
Engine: 71 peak hp, diesel, water-cooled, electric start		
Fuel Capacity: 13 gallons		
Pulling Rope: 3/8", 6 x 25 XIP IWRC steel wire rope, 2,000 feet		
Boom: Hydraulic, joystick controlled, 3-axis, 52° swing arc, 17 in. sheave with 60° swivel head.		
Levelwind: Dual automatic fairlead sheaves		
Puller Mounted Controls: CANbus controller communicating with radio controlled remote (300 ft. max)		
Footage Counter: Electronic, actual footage, pay-in and pay-out with memory		
Hydraulic Tool Circuit: Up to 3,000 PSI - 8 GPM at idle/16 GPM at 2700 RPM		
Pulling Connectors: Rotation-resistant: (1) E-35 rated at 3,000 lb.& (1) E-49 rated at 8,800 lb.		
Frame Construction: Steel tubing, continuous-weld		
Length, overall, nominal: 15 ft. 5 in.		
Width, overall, nominal: 7 ft. 11in.		

CIPP PULLER - CONTINUED

DESCRIPTION	COMPLY	EXCEPTION
Height, overall, nominal: 9 ft. 8 in. (boomed stored)		
Weight, nominal: 8,900lbs w/ rope		
GVWR: 9,500lbs		
Suspension: leaf-spring		
Axel Configuration: single		
Wheel Configuration & Tire: Single, LT235/75R17.5 load rating J		
Brakes, Trailer: electric w/ safety break-away switch		
Towing Attachment: 3 in. adjustable pintle eye		
Safety Chains: 2 each w/ hook		
Tie Downs: 5/8" diameter steel D-rings		
Tongue Jack: hydraulic w/ shoe (1)		
Stabilizing Jacks: Hydraulic w/ shoe at bumper corners (2)		
Electrical System: 12 VDC, 90-amp alternator		
Lights / Navigation: US DOT, LED, 12 VDC		
Battery: 12 V		
Grounding: 3/4" diameter copper-clad steel ground loops (4)		
Fire Extinguisher: ABC		
Hose Reel: 1 in. by 50 ft.		
Air Compressor: high flow: 160 cfm at 40 psi, low flow: 90 cfm at 90 psi		

WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
Standard 1 year warranty from date of sale		

DETAILED SPECIFICATION - STEAM GENERATOR

DESCRIPTION	COMPLY	EXCEPTION
Qty. 1 - 20hp Steam Generator		
Generator: ASME coded, oil fired 3 pass, dry back, scotch marine boiler		
Boiler: 20 boiler HF = P (15 boiler KW)		
690 lbs. / hour steam output (309 KG/hour steam output) 791,000 BTU/hr. input		
15psi maximum operating pressure (1.03 bar maximum operating pressure)		
115V / 1PH / 60HZ operating current 5 amps		
Oiled fired burner (diesel fuel or kerosene) w/ flame safe guard fuel filter w/ water separator		
35 ft. power cable (10.7M power cable)		
Shall include inlet water feeder w/ flow valve		
Exhaust high temperature limit switch		
Low water level switch		
Adjustable pressure switch, operational		
High limit pressure switch w/ manual reset		
ASME rated pressure relief valve		
4 in. female NPT outlet fitting		
10 in. horizontal exhaust outlet		
1 in. fiberglass insulation wrap w/ polished stainless-steel jacket 65-gallon fuel tank		
Skid mounted w/ forklift pockets		
Third party approved to UL508A & CAN / CSA-C22.2 NO. 14-10, ensuring that the entire control panel assembly meets the UL ABD SCA standards		
Skid mounted 2,400 lbs.		
Dimensions: 80" L x 70" W x 68" H		
Steam hose kit w/ spud lock fittings & (5) sections of steam hose		
Inflation hose 3/8" hydraulic w/ gauges & valve (2) units		
6" - 10" multi-size steam process w/ 2" threaded bypass (2) units		
8" - 12" multi size steam process w/ 2" threaded bypass		

WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
Standard 1 year warranty from date of sale		

DETAILED SPECIFICATIONS - CAMERA CUTTER TRAILER

DESCRIPTION	COMPLY	EXCEPTION
Qty. 1 - Tandem axle trailer w/ camera cutter		

TRAILER GENERAL

DESCRIPTION	COMPLY	EXCEPTION
Tandem axle trailer, 7' x 14' body, 7,000 GVWR		
Qty. 1 Roadside DOT rated safety kit including fire extinguisher, triangles & flares		
Qty. 2 adjustable LED floodlights, mounted above rear doors		
Qty. 2 amber LED strobe lights, 1 each mounted front & rear of roof		
Interior Dimensions: 80" W x 83" H x 168" L		
Dexter independent torsion suspension axles		
Trailer rated radial tires		
Modular-styled wheels w/ E-coat prime & powder coat finish		
All-wheel electric brakes w/ 12V breakaway switch, battery included		
Welded in place safety chains		
Phosphate power washed & all exposed metal painted		
Z-tech undercoated frame		
Long life coating on all fasteners		
Automotive style weather stripping		
Formed steel rear header w/ recessed clearance lights		
Double 18" I-beam mainframes		
12" on-center floor members		
.030 exterior aluminum w/ 16" on-center wall posts		
Aluminum fenders		
Aluminum roof w/ 24" on-center bows		
ABS molded license plate holder w/ light		

TRAILER GENERATOR

DESCRIPTION	COMPLY	EXCEPTION
7,000W, gas powered, commercial grade generator, 120V, 60 Hz, w/ electric local & remote start / stop control		
Qty. 1 OEM generator enclosure, tongue mounted w/ 14-gallon EVAP-certified fuel tank		
Qty. 1 vented cover w/ lock mechanism		
Exhaust system w/ internal muffler		
Auxiliary battery, 12V DC & case		
DC converter, 45A		
Electric distribution panel & circuit breaker box, 8-space		
Electric supply transfer system, house power or generator system, automatic, 50A		
35' cord & house power receptacle w/ cover		
System engineering panel to include: Qty. 1 generator voltage & frequency meter, digital; Qty. 1 generator start / stop switch; Qty. 1 generator hour meter		

TRAILER CONTROL ROOM INTERIOR

DESCRIPTION	COMPLY	EXCEPTION
Lonplate non-skid floor covering		
White Kemlite laminated surface wall covering		
White Kemlite embossed ceiling cover		
Bulkhead wall w/ plexiglass window & swing passage door to equipment room		
Modular control center, 19" rack mounted in bulkhead wall		
Low profile rood mounted air conditioner, 11,000 BTU		
Wall mounted 1,500-watt heater		
Ergonomically contoured & finished control desk		
Standard electrical upfitting package		
LED lighting system w/ dimmer switch		
Operator chair, swivel w/ casters		
Padded bench seat w/ storage underneath		
Fire extinguisher, 10lb, 4A60 B:C rating, OSHA / DOT-approved		
Closet / cabinet / storage space, 74" H, minimum 4 removable shelves		
Printer shelf		
Qty. 2 – 19" LCD flat panel monitor, TV / PC viewing, mounted to control room desktop		

TRAILER EQUIPMENT ROOM INTERIOR - CONTINUED

DESCRIPTION	COMPLY	EXCEPTION
Lonplate non-skid floor covering		
White Kemlite laminated surface wall covering		
White Kemlite embossed ceiling cover		
Standard electrical upfitting package		
LED lighting system		
Set equipment storage hooks & tie down rings, shipped loose		
Work bench w/ Lonplate worktop & vise		
Storage shelves over work bench w/ light underneath		
7-drawer tool chest w/ locking hasp		
Equipment storage shelf, 3 levels, 36 x 18, between reel & bulkhead		
Downhole roller floor storage		
Downhole pole storage brackets, door mounted		
Qty. 1 - 19" LCD flat panel monitor, TV / PC viewing, mounted rear viewing		

WATER WASH DOWN SYSTEM FOR EQUIPMENT CLEAN UP

DESCRIPTION	COMPLY	EXCEPTION
Water storage tank: 19-gallons		
Set of fills, vent & drain connections		
Water tank demand pump		
25 ft. retractable wash down hose w/ spring-loaded hand nozzle		
121" Wheelbase		
Brakes: 4-wheel power disc brakes with Anti-lock Brake System		

CUTTER ROBOT SYSTEM

DESCRIPTION	COMPLY	EXTERIOR
Cutter robot system for relined 6 in. to 18 in. pipes		
Wheeled cutter robot assembly w/ electric grind motor		
Lined shipping case		
Color camera, LED w/ pan function & lens wiper & case		
Rubber & carbide wheel & axle spacer set for relined 6 in. to 18 in. pipes		
4 th axis cutter head positioning kit		
Cutter bit extension kit w/ bearing support		

CUTTER ROBOT SYSTEM - CONTINUED

DESCRIPTION	COMPLY	EXCEPTION
Cutter control unit system: Control joystick & keyboard assembly w/ interconnect to rack; 10" LCD flat panel multimedia monitor, mounted in the control room; Internal digital recording device		
Cutter reel system: reel enclosure		
Cutter reel system: 2.0 control cable, 850 ft.		
Cutter reel system: slide-out drip pan		
Cutter reel system: interconnect cabling to control unit		
Cutter reel system: cable termination kit		
Cutter reel system: hand control pendant		
Cutter reel system: pendant holder		
3-phase power supply for cutter system		
Spare, electric grind motor		
Spare camera, LED w/ pan function & lens wiper		
Electric system master service kit		
Tool kit		
Cable manhole guide system: manhole top roller assembly; manhole bottom roller assembly & adapter hook; insertion & extractor pole assembly & tractor adapter w/ three (3) quick lock fiberglass extension poles; Qty. 5 additional fiberglass extension poles		
Qty. 2 operation / maintenance & spare parts manual		
Maintenance tool kit		

WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
Three (3) days of in-field training		
Standard one year warranty on cutter system from date of sale		
Standard trailer warranty from date of sale		



RECEIPT OF BID PACKET

FY 2023-2024
Sealed Bid # 2324-11
Cured-In-Place Pipe (CIPP) Lining System Equipment

I hereby acknowledge receipt of the subject bid packet.

Company Authorized Signature

Date



BID FORM

<u>QTY.</u>	<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
One	CIPP Puller	_____	\$ _____
One	Steam Generator	_____	\$ _____
One	Camera Cutter Trailer	_____	\$ _____
Total Lump Sum Bid			\$ _____

Estimated Lead Time: CIPP Puller _____

Estimated Lead Time: Steam Generator _____

Estimated Lead Time: Camera Cutter Trailer _____



BID FORM

FY 2023 - 2024
Sealed Bid # 2324-11
Cured-In-Place Pipe Lining System Equipment

Company Name: _____

Address: _____

Telephone: _____ Email: _____

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 _____, 2024

NOTARY PUBLIC
My Commission Expires: _____