

Pittsburg County, Oklahoma
COUNTY PURCHASING OFFICE
 Pittsburg County Court House
 McAlester, Oklahoma
 Phone: (918) 423-4934

INVITATION TO BID

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE SIDE RELATING TO SUBMISSION OF THIS BID.

Notarized Affidavit completions and signature required on reverse side.

DATE ISSUED	3-Jan-22
PAGE 1 OF _____	

BID NUMBER BID # 13	BID CLOSING DATE AND HOUR January 14th, 2022 @ 4:00pm	REQUIRED DELIVERY DATE Days after award of Purchase Order
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TERMS:	DATE OF DELIVERY:
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Item	Quantity	Unit of issue	DESCRIPTION	Unit Price	Total
			<p>Pittsburg County wishes to advertise for the following for Kiowa VFD:</p> <p>Extrication Tools</p> <p><u>See Specifications Attached</u></p> <p><u>PLEASE MARK CLEARLY ON FRONT OF SHIPPING ENVELOPE BID & BID NUMBER</u></p>		

TERMS AND CONDITIONS

1. Sealed bids will be opened in the Commissioner's Conference Room, Pittsburg County Courthouse, McAlester, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Pittsburg County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until delivered.

(DATE)

6 1291E+19

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this _____ day
of _____ 20_____ (seal)

Firm: _____

My commission expires _____ Signed by: _____ Title: _____
(MANUAL SIGNATURE OF UNDERSIGNED)

NOTARY PUBLIC (CLERK OR JUDGE) Address: _____ Phone: _____

City: _____ State _____

Zip _____

NOTE: Other terms and conditions can be added at the discretion of the county officers.

RESOLUTION
22-153
To Advertise

The Board of County Commissioners, Pittsburg County, met in regular session on Monday, January 3, 2022.

WHEREAS, the Pittsburg County wishes to advertise for the following for Kiowa VFD:

Extrication Tools

A bid package containing complete specifications and an "Invitation to Bid" are available at the Pittsburg County Clerk's Office, 115 E. Carl Albert Pkwy, Room 103, McAlester, Oklahoma 74501 or online at pittsburg.okcounties.org.

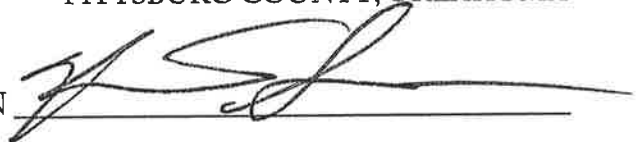
THEREFORE, each competitive bid submitted to the County must be accompanied with an affidavit for filing with the competitive bid form, as required by Title 61 O.S. § 101 - 138.

Sealed bids will be received and filed with the Pittsburg County Clerk until Friday, January 14, 2022 at 4:00 p.m. All bids received after 4:00 p.m. on Friday, January 14, 2022 WILL NOT BE OPENED. Bids will be opened on Tuesday, January 18, 2022 at 10:00 a.m. in the Board of County Commissioners Conference Room, 115 E. Carl Albert Pkwy, McAlester, Oklahoma. The Board of County Commissioners, Pittsburg County, reserves the right to reject any and all bids and re-advertise.

BOARD OF COUNTY COMMISSIONERS
PITTSBURG COUNTY, OKLAHOMA

ATTEST:

CHAIRMAN



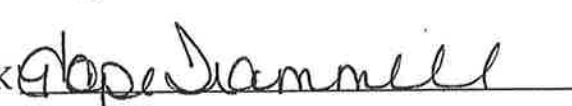
VICE CHAIRMAN



MEMBER



COUNTY CLERK



KIOWA VOLUNTEER FIRE
DEPARTMENT

**EXTRICATION TOOLS (TO INCLUDE RESCUE
RAM, ELECTRO-HYDRAULIC SPREADER &
ELECTRO-HYDRAULIC CUTTER)**

Product Specifications

RESCUE RAM

1. The rescue ram is a double-acting hydraulic cylinder. Extension and retraction is carried out hydraulically.
2. The rescue ram is a multi-stage cylinder for applying pressure with varying forces depending on the piston stage. The force remains constant within one piston stage.
3. The electro-hydraulic tool is equipped with light-emitting diodes attached on both ends of the tool to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery.
4. The ram shall extend to a distance of up to 59.2 in (1503 mm). The retracted length is to be no less than 24.7in. (627 mm).
5. The ram shall feature a two stage stroke. The maximum stroke for piston 1 shall be 17.8in. (451 mm) producing a minimum of 28,600 lbf (127 kN) force. The maximum stroke for piston 2 shall be 16.7in. (425 mm) producing a minimum of 13,500 lbf (60 kN) force. The piston stroke overall shall be 34.5in. (876 mm).
6. The tool shall include heat-treated, investment-cast steel ram claw feet on the piston side and on the cylinder side for durable gripping and minimizing slippage. Claw feet shall swivel on both ends.
7. The tool shall have a dual pilot check valve to prevent accidental movement of the piston rod in the event of power loss.
8. The control mechanism shall feature a star-grip control for ease of operation by allowing 360° operation in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation.
9. The tool must provide a non-interflow shear seal “dead man” actuator, whereby the unit stops functioning when hand pressure is released.
10. The extend piston and retract piston are clearly marked.
11. The tool must be NFPA 1936; 2020 Edition compliant and shall be labelled as such bearing the mark of the 3rd party testing agency.
12. The tool will not weigh more than 44.8 lbs (20.3 kg) excluding the power supply.
13. The tool dimensions when retracted shall be no longer than 24.7 in. (627 mm), wider than 5.51 in. (140 mm) and higher than 12.9 in. (327 mm).
14. The operating pressure of the tool will be 7,250 psi (50MPa).
15. The current consumption of the tool shall be 7.3A DC in idle mode and 42.7A DC at max load.
16. Electro-hydraulic ram must not require connection to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.
17. The cylinder of the tool shall be made of anti-corrosive T6-7075 light aluminium alloy for its lightweight, strength and long life.
18. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).
19. The tool must be compatible with two battery options; either a 5Amp/25.2 V or 9Amp/25.2V battery capable of water submersion up to 11ft.
20. The tool shall have a noise pressure level of no more than 69dB(A) at max load.
21. The tool shall be able to operate submerged in fresh water up to 11ft.
22. The tool shall have an IP rating of IP58 and utilize a battery with an IP rating of IP68.

Product Specifications

ELECTRO-HYDRAULIC SPREADER

1. The tool is a designed hydraulically activated piston with two equal, opposite light metal alloy spreader arms that are symmetrically opened by mechanical joints, thereby spreading objects. Closing the spreader arms is also carried out hydraulically and mechanically by reverse order of the piston.
2. Electro-hydraulic devices must not require connection to an external hydraulic source. Generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.
3. The electro-hydraulic tool is equipped with light-emitting diodes attached to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery.
4. The cylinder of the tool shall be a one-piece design made of anti-corrosive T6-7075 light aluminium alloy for its lightweight, strength and long life.
5. The spreader shall produce a maximum spreading force of up to 187,940 lbf. (836 kN).
6. The tool shall produce a maximum spreading distance of 23.6 in (600 mm).
7. The spreader shall produce a minimum HSF test result of 14,162 lbf (63 kN), and a minimum LSF test result of 8,768 lbf (39 kN) as set forth in NFPA 1936-2020
8. To maximize the capability of the spreader the unit shall be compatible with an optional chain and shackle package for pulling operations, use only HURST chain set KSV 11. This should not require the removal of the tips for attachment. The spreader shall produce a HPF test result of 9,667 lbf (43 kN), and a minimum LPF test result of 5,171 lbf (23 kN) as set forth in NFPA 1936-2020.
9. The tool shall produce a pulling distance of 17.3 in (440 mm).
10. The tips are to be removable, multifunctional tips that can be used for spreading, squeezing and pulling without the need to be changed.
11. The removable tips shall have 15 contact points machined to a sharp-edged "shark tooth" aggressive design for maximum performance and gripping capability.
12. The tips shall be easily removed by depressing a spring loaded "button" style detent pins to allow for the use of compatible optional peeling tips used for tearing linear holes in sheet metal.
13. The arms of the tool should be made of aluminium alloy and attach via removable links for ease of repair, efficient power transmission and smooth operation. The arms shall include a metal protective and gripping squeezing plate on both the inside and the outside of each arm.
14. The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The tool must provide a non-interflow shear seal "dead man" actuator, whereby the unit stops functioning when thumb pressure is released.
15. The opening and closing positions are clearly marked.
16. The tool shall have two handles. One located at the center of the tool and the other located below the control mechanism. The center crossbar handle allows easy ergonomic manipulation from the center or either side without the need of rotating the handle in to position
17. The tool will be equipped with a dual pilot check valve. This is to prevent accidental movement of the arms in the event of power loss.
18. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.
19. The tool dimensions without the battery shall not be any longer than 32.4 in (823 mm), wider than 10.1 in (256 mm) or higher than 9.96 in (253 mm).
20. The operating pressure to the tool will be 10,000 psi (70 MPa).
21. The current consumption should be 7.3A DC in idle mode and 41.8A DC at maximum load.
22. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).
23. The tool must be compatible with two battery options; either a 5Amp/25.2 V or 9Amp/25.2V battery capable of water submersion up to 11ft
24. The tool must be NFPA 1936; 2020 Edition compliant and shall be labelled as such bearing the mark of the 3rd Party testing agency.
25. The tool will not weigh more than 37.7lbs (17.1 kg) excluding the power supply.
26. The tool shall have a noise pressure level of 73dB(A) at max load.

27. The tool shall be able to operate submerged in fresh water up to 11ft.
28. The tool shall have an IP rating of IP58, and utilize a battery with an IP rating of IP68

Product Specifications

ELECTRO-HYDRAULIC CUTTER

1. The tool is designed to be a hydraulically operated piston activating mechanical joints symmetrically to open or close a set of two opposite blade arms whereby cutting surfaces go on top of each other without making contact thus enabling objects to be cut.
2. Electro-hydraulic cutter must not require connection to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium-ion battery or an external power supply.
3. The electro-hydraulic tool is equipped with light-emitting diodes attached on the operating side to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery
4. The cylinder of the tool shall be made of anti-corrosive T6-7075 grade light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing.
5. The maximum cutter opening at the tips will be 8.07 in (205 mm).
6. The cutter must have an advanced blade geometry for pulling metal to the back of the blades, reducing tool rotation and providing maximum cutting performance.
7. The blades shall be made of dropped-forged steel which has a glass-pearl blasted finish and are re-grindable. The blades of the tool should be attached to the piston rod via removable links for ease of repair, efficient power transmission and smooth operation. The pivot points of the blades shall have a rubber boot hand guard for safety purposes.
8. The cutting performance of the tool shall be able to cut up to 1.65 in (42 mm) diameter round stock steel.
9. The tool shall have a dual pilot check valve to prevent accidental movement of the blades in the event of power loss.
10. The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation.
11. The tool must provide a non-interflow shear seal “dead man” actuator, whereby the unit stops functioning when star grip control valve is released.
12. The tool shall have two handles. One located at the center of the tool and the other located below the control mechanism. The center crossbar handle allows easy ergonomic manipulation from the center or either side without the need of rotating the handle in to position
13. The opening and closing positions are clearly marked.
14. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.
15. The tool dimensions without the battery shall not be any longer than 35.7 in (907 mm), wider than 10.5 in (266 mm) or higher than 9.96 in (253 mm).
16. The operating pressure to the tool will be 10,000 psi (70 MPa).
17. The current consumption should be 7.7A DC in idle mode and 42.2A DC at maximum load.
18. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).
19. The tool must be compatible with two battery options; either a 5Amp/25.2 V or 9Amp/25.2V battery capable of water submersion up to 11ft.
20. The tool must be NFPA 1936; 2020 Edition compliant and shall be labelled as such bearing the mark of the 3rd party testing agency.
21. Cutting classification should be no less than A8 / B9 / C8 / D9 / E9 / F5 as defined in NFPA 1936; 2020 and certified by a 3rd party testing agency.
22. The tool will not weigh more than 49.4 lbs (22.4 kg) excluding the power supply.
23. The tool shall have a noise pressure level of 67dB(A) at max load.
24. The tool shall be able to operate submerged in fresh water up to 11ft.
25. The tool shall have an IP rating of IP58 and utilize a battery with an IP rating of IP68.

26. Tool dashboard shall illuminate to notify the user of a higher than normal temperature in the main circuit board and shall discontinue the turbo feature while detected.
27. Tool dashboard shall illuminate an icon on the tools dashboard to indicate that the tool has a saltwater capable battery attached.
28. Tool shall have a turbo capable function that is controlled by the user through the star valve controller based on 5 angular segments allowing the user to control the speed and power of the tool through the proportional valving allowing for extremely slow movement of the tool when in critical situations along with the ability to have full power during normal speed and turbo feature when needed. When turbo feature is engaged an icon indicator will illuminate on the tool's dashboard for user awareness.
29. A Turbo limitation feature shall be in place where when certain parameters are met the turbo feature will automatically disengage, returning the tool to standard speed until the parameter values reach a desired level where turbo will automatically re-engage with no action needed by the user.
30. The tool dashboard shall display a pressure indicator that will continually change showing the level of pressure being produced by the tool throughout its operation.
31. The tool dashboard shall display an icon that shows the current battery state of charge for real-time awareness. The indicator lights shall consist of green, yellow, and red indication levels relative to the battery level
32. Open and Close icons shall illuminate on the tool dashboard when the trigger control valve is actuated in their respective direction.
33. The illumination of the power ring shall change from blue to red when the tool reaches a specified parameter and the tool detects a greater than 10-degree rotation along its linear axis. This shall alert end user.