

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	10-Dec-12
PAGE 1 OF _____	

BID NUMBER Bid # 10	BID CLOSING DATE AND HOUR December 26, 2012 @ 10:00AM	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 Commissioners wishes to advertise for the following equipment to be paid for with County Fire Tax dollars for the McAlester Fire Department:</p> <p>Six (6) Self-Contained Breathing Apparatus and Eight (8) additional cylinders</p> <p>SEE SPECIFICATIONS ATTACHED.</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)

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 _____ 2011 _____ (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

To
Advertise

The Board of County Commissioners, Pittsburg County, met in regular session on Monday, December 10, 2012.

WHEREAS, the Board of County Commissioners wishes to advertise for the following equipment to be paid for with County Fire Tax dollars for the McAlester Fire Department:

Six (6) Self-Contained Breathing Apparatus
& Eight (8) Additional Cylinders

A bid package containing complete specifications and an "Invitation to Bid" are available at the Pittsburg County Clerk's Office, 115 E. Carl Albert Parkway, Room 103, McAlester, Oklahoma 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 61 O.S. § 138.

Sealed bids will be received and filed with the Pittsburg County Clerk and opened on Wednesday, December 26, 2012 at 10:00 a.m. in the conference room of the Board of County Commissioners, Pittsburg County Courthouse, 115 E. Carl Albert Parkway, McAlester, Oklahoma. Contract will be awarded to the lowest or best bidder. The Board of County Commissioners, Pittsburg County, reserves the right to reject all bids and re-advertise.


BOARD OF COUNTY COMMISSIONERS
PITTSBURG COUNTY, OKLAHOMA



GENE ROGERS, Chairman



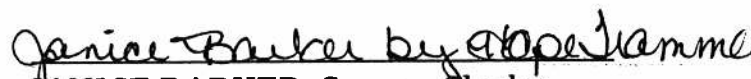
KEVIN SMITH, Member



RONNIE YOUNG, Vice Chairman



ATTEST:



JANICE BARKER, County Clerk

SPECIFICATIONS FOR S.C.B.A.'S WITH SPARE CYLINDERS

(Self-Contained Breathing Apparatus)

1.0 INTRODUCTION

1.1 The purpose of this specification is to establish minimum standards and guidelines for the supply of six (6) pressure demand (positive pressure) open circuit self-contained compressed air breathing apparatuses; along with eight (8) spare cylinders. Six (6) cylinders to be 4500 psi, 45 minute carbon cylinders and two (2) cylinders shall be a 4500 psi, 30 minute carbon cylinders.

2.0 GENERAL REQUIREMENTS

2.1 The apparatus covered by this specification shall be of the open circuit compressed air pressure demand (positive pressure) type.

Bidder Complies: **Yes** _____ **No** _____

2.2 It shall be certified by the National Institute for Occupational Safety and Health (NIOSH) and the Mine Safety and Health Administration (MSHA) for use as either a 30 minute, 45 minute, or 60 minute rated duration breathing apparatus. Additionally the apparatus must be in compliance with all of the performance requirements of the National Fire Protection Association's 2007 Edition of their NFPA 1981 and 1982 standard.

Bidder Complies: **Yes** _____ **No** _____

3.0 GENERAL COMPONENTS

3.1 The apparatus shall consist of the following major components:

3.1.1 Two-piece composite backframe assembly with universal cylinder band to accommodate a variety of cylinders from 2216 psi to 4500 psi; 30, 45, 60-minute duration.

Bidder Complies: **Yes** _____ **No** _____

3.1.2 A double curve facemask, available in 3 different sizes with permanent Anti-fog and hard coated visor. Facemask should have inner mask that will accommodate "end of service alarm" light display, waterproof microphone for VAS communications, and a spectacle kit mounted on the nosecup.

Bidder Complies: **Yes** _____ **No** _____

3.1.3 Integrated Air Switch Regulator that allows switching from ambient air to cylinder air instantly.

Bidder Complies: **Yes** _____ **No** _____

3.1.4 Quick release harness assembly.

Bidder Complies: **Yes** _____ **No** _____

3.1.5 Enclosed "end of service alarms" (bell and in-mask display).

Bidder Complies: **Yes** _____ **No** _____

3.1.6 Integrated 2nd stage regulator built into facemask along with the heads-up light display that is completely submersible for easy cleaning and disinfecting.

Bidder Complies: Yes _____ No _____

3.1.7 Fully sealed first stage pressure reducer.

Bidder Complies: Yes _____ No _____

3.1.9 Voice Amplification System.

Bidder Complies: Yes _____ No _____

3.1.10 Control Console with integrated VAS and PASS.

Bidder Complies: Yes _____ No _____

3.1.11 Universal cylinder spoon to accommodate all SCBA cylinders.

Bidder Complies: Yes _____ No _____

4.0 PNEUMATIC ASSEMBLY

4.1 The 1st stage sealed pressure reducer shall be protected inside the 2-piece backframe assembly.

Bidder Complies: Yes _____ No _____

4.2 The 1st stage pressure reducer shall be connected to the cylinder valve by a 3/16" bore, covered stainless steel and fire retardant rubber wrap over P.T.F.E. high pressure hose.

Bidder Complies: Yes _____ No _____

4.3 The 1st stage pressure reducer shall have a double spring and a piston that requires no adjustment.

Bidder Complies: Yes _____ No _____

4.4 The 1st stage pressure reducer shall incorporate a self-seating pressure relief valve to prevent high-pressure air from entering the low-pressure side of the assembly and shall require no adjustment.

Bidder Complies: Yes _____ No _____

4.5 All hoses shall attach to the 1st stage pressure reducer by means of "U" clips with "O" ring seals. High pressure and low-pressure hoses shall be of different sizes so they can only be fitted in their respective positions; all hoses shall then be retained in reducer body by a cover screwed to the reducer body.

Bidder Complies: Yes _____ No _____

4.6 The 1st stage pressure reducer shall be capable of working at full input cylinder pressure of either 2216 psi or 4500 psi with no modification or adjustment.

Bidder Complies: Yes _____ No _____

4.10 Any of the solid state components shall be waterproof and intrinsically safe.

Bidder Complies: Yes _____ No _____

4.11 The RIC fitting shall include a self-checking valve to prevent over pressurizing of a cylinder without venting air to atmosphere.

Bidder Complies: Yes _____ No _____

5.0 AirSwitch SECOND STAGE DEMAND VALVE

5.1 The second stage regulator shall be integrated into the facemask and will be able to be submersed in disinfectant and water.

Bidder Complies: Yes _____ No _____

5.2 The second stage regulator will incorporate a fresh air mode that allows switching from ambient air to cylinder air instantly.

Bidder Complies: Yes _____ No _____

5.3 The second stage regulator will incorporate the inhalation and exhalation into one component.

Bidder Complies: Yes _____ No _____

5.4 The second stage regulator shall not protrude from the facemask more than 1 ½ inches.

Bidder Complies: Yes _____ No _____

5.5 The second stage regulator shall be manufactured from rugged non-metallic material that will not corrode or deteriorate from chemical attack. It must be capable of delivering peak flows in excess of 500 lpm to a minimum of 30 breaths past the sounding of the audible alarm. The demand valve shall have been tested and remained functional after being subjected to direct flame for not less than 10 seconds at a peak temperature range of 1500 - 2000 degrees Fahrenheit. The average mean of all peak temperatures shall be no higher than 1742 degrees Fahrenheit. When the flame is extinguished, no part of the assembly shall show an after-flame duration of greater than 2.2 seconds

Bidder Complies: Yes _____ No _____

5.6 The second stage regulator shall incorporate a true emergency bypass, which when manually activated will flow between 85/120 liters per minute. The bypass on/off handwheel shall be at least 1½ " in diameter, center mounted on the second stage demand valve, and allow for activation by a gloved hand. It shall take no more than a half turn of the bypass on/off handwheel to activate the bypass fully.

Bidder Complies: Yes _____ No _____

5.7 The second stage demand valve shall incorporate a secondary sintered filter.

Bidder Complies: Yes _____ No _____

7.0 FACEMASK

7.1 The facemask shall be a full facemask type that covers the wearer's nose, mouth and eyes.

Bidder Complies: Yes _____ No _____

7.2 The facemask mask shall have a single intensifier edge seal.

Bidder Complies: Yes _____ No _____

7.3 The facemask visor shall be one piece and constructed of an impact resistant polycarbonate material; it shall be optically correct and have permanent anti-fog and hard coated visor.

Bidder Complies: Yes _____ No _____

7.4 The facemask shall have a removable inner mask constructed of the same material as the outer shell of the mask and the inner mask shall be fitted with inlet valves and available with noseclip mounted spectacle kit.

Bidder Complies: Yes _____ No _____

7.5 The facemask shall be available in 3 sizes, with a double curve visor facemask.

Bidder Complies: Yes _____ No _____

7.6 The facemask shall contain a speech diaphragm and shall be mounted directly in line with the wearer's mouth.

Bidder Complies: Yes _____ No _____

7.7 The facemask will have a 2 -point "Pull Forward" Kevlar net harness.

Bidder Complies: Yes _____ No _____

7.8 The facemask shall be made of a butyl blend.

Bidder Complies: Yes _____ No _____

7.9 The inner noseclip shall accommodate the "end of service alarm" light display that shows cylinder pressure in quarter increments by displaying LED lights.

Bidder Complies: Yes _____ No _____

7.10 VAS shall have an internal waterproof microphone inside the inner noseclip to provide clear communications.

Bidder Complies: Yes _____ No _____

7.11 The in-mask display shall have 5 LED lights. Four lights indicate quarter rating of cylinder pressure. The fifth light indicates low battery status. PASS pre-alarm is indicated by alternately flashing red and green LED light.

Bidder Complies: Yes _____ No _____

7.12 The facemask shall have no loss of operational function after being subjected to direct flame for not less than 10 seconds at a peak temperature range of 1500 - 2000 degrees Fahrenheit. The average mean of all peak temperatures shall be no higher than 1742 degrees Fahrenheit. When the flame is extinguished, no part of the assembly shall show an after-flame duration of greater than 2.2 seconds.

Bidder Complies: Yes _____ No _____

8.0 BACKFRAME AND HARNESS

8.1 The backframe shall be made of fire retardant Thermoset Composite, 2-piece construction to protect the pneumatic system.

Bidder Complies: Yes _____ No _____

8.2 The backframe shall have swinging sidearm to distribute weight for wearer comfort.

Bidder Complies: Yes _____ No _____

8.3 The right and left shoulder straps shall be constructed of 2 inch woven Kevlar and be padded in areas of contact with PBI/Kevlar.

Bidder Complies: Yes _____ No _____

8.4 Shoulder strap adjustable slides shall be constructed of stainless steel. Two-inch pull straps shall be fitted to harness to allow easy adjustment even with gloved hands.

Bidder Complies: Yes _____ No _____

8.5 The harness shall have loops for the routing of the pneumatic hoses.

Bidder Complies: Yes _____ No _____

8.6 The harness waist belt shall be of 2" woven Kevlar and be fitted with a "Double Pull Forward" design and incorporate a seat buckle latch.

Bidder Complies: Yes _____ No _____

8.7 The harness assembly shall experience no loss of operational function after being subjected to direct flame for not less than 10 seconds at a peak temperature range of 1500 - 2000 degrees Fahrenheit. The average mean of all peak temperatures shall be no higher than 1742 degrees Fahrenheit. When the flame is extinguished, no part of the assembly shall show an after-flame duration of greater than 2.2 seconds

Bidder Complies: Yes _____ No _____

8.8 The universal cylinder band assembly shall be adjustable in the field to accommodate all sizes of cylinders without the use of tools.

Bidder Complies: Yes _____ No _____

8.9 A universal cylinder band shall be designed so that during cylinder change it can remain in either the closed loop or fully open positions.

Bidder Complies: Yes _____ No _____

8.10 Cylinder changes shall be made without removing cylinder band.

Bidder Complies: Yes _____ No _____

8.11 All SCBA manufactured cylinders shall mount easily onto the backframe.

Bidder Complies: Yes _____ No _____

8.12 A standard lumbar support shall be made of PBI/KEVLAR

Bidder Complies: Yes _____ No _____

8.13 Flashing locator lights to aid in rescue shall be emitting from the backframe and flash rapidly when the PASS is in full alarm.

Bidder Complies: Yes _____ No _____

9.0 ALARM AND PRESSURE INDICATOR ASSEMBLY

9.1 The primary "end-of-service" alarm shall be an in-mask light display with a flashing red light. The secondary "end-of-service" alarm shall be of an independent bell.

Bidder Complies: Yes _____ No _____

9.2 The bell alarm shall be located at the top of the backframe, close to the user's ear.

Bidder Complies: Yes _____ No _____

9.3 The in-mask display shall have four lights that indicate cylinder pressure, two green, one yellow and one red light. When the cylinder is full, all four lights will be on. An additional yellow fifth light is off-set from the display indicate a low battery.

Bidder Complies: Yes _____ No _____

9.4 In-mask pressure display will display one light per quarter increments of cylinder pressure. As the pressure decreases, the display lights will go out until the red light is "on" and flashing rapidly.

Bidder Complies: Yes _____ No _____

9.5 One battery source only powers the PASS and Control Console. They shall be communicating via a wireless network that operates at least 50% of the power of using a Blue-Tooth network, reducing battery consumption.

Bidder Complies: Yes _____ No _____

9.6 A low battery indicator shall illuminate when battery has at least a minimum of three hours remaining.

Bidder Complies: Yes _____ No _____

9.7 A redundant analog gauge shall be attached to the right shoulder strap as a secondary back-up pressure indicator.

Bidder Complies: Yes _____ No _____

10.0 CONTROL CONSOLE

10.1 PASS operation shall be displayed within the control console. Light shall change from green to a red LED light when PASS is in alarm.

Bidder Complies: Yes _____ No _____

10.2 All communications shall be within the control console and operated hands free.

Bidder Complies: Yes _____ No _____

10.3 The VAS shall be voice activated with 10 preset settings to set microphone activation.

Bidder Complies: Yes _____ No _____

10.4 The solid state components shall be able to be switched between 2216 and 4500 without any component changes.

Bidder Complies: Yes _____ No _____

10.5 The PASS shall have a motion sensor in the console to identify any motion.

Bidder Complies: Yes _____ No _____

10.6 The PASS alarm shall be a wireless network from the control console.

Bidder Complies: Yes _____ No _____

11.0 PASS

11.1 The PASS shall have motion sensors to detect motion.

Bidder Complies: Yes _____ No _____

11.2 The PASS shall be enclosed inside the two-piece backframe.

Bidder Complies: Yes _____ No _____

11.3 The PASS shall only use one piezo alarm to meet the new NFPA standard, reducing battery consumption.

Bidder Complies: Yes _____ No _____

11.4 The PASS shall have Data Logging capability to log 2000 events.

Bidder Complies: Yes _____ No _____

12.0 Battery

12.1 The SCBA shall only have one battery source to power all features and accessories.

Bidder Complies: Yes _____ No _____

12.2 The SCBA shall be powered by 4 "C" cell batteries only.

Bidder Complies: Yes _____ No _____

13.0 RIT UNIVERSAL CONNECTION

13.1 The RIT shall have a check valve that stops airflow when the cylinder is full.

Bidder Complies: Yes _____ No _____

13.2 The RIT shall not vent air to atmosphere.

Bidder Complies: Yes _____ No _____

13.3 The RIT connections shall allow a 2216 or 4500 psi cylinder to be used to transfer cylinder air.

Bidder Complies: Yes _____ No _____

14.0 CYLINDER AND VALVE ASSEMBLY

14.1 All cylinders supplied with the units are to be approved by the United States Department of Transportation (DOT).

Bidder Complies: Yes _____ No _____

14.2 Cylinder valve assemblies shall contain a safety relief device. The cylinder valve shall contain a protected gauge visible from both sides. Cylinder valve handwheel shall be of the non-ratchet or locking type.

Bidder Complies: **Yes**_____ **No**_____

14.3 All high-pressure cylinder valve hand wheels shall be red to identify a high pressure cylinder. Low pressure cylinder valve hand wheels shall be black.

Bidder Complies: **Yes**_____ **No**_____

14.4 All S.C.B.A.'s will have a 4500 psi, 45 minute carbon cylinder, airswitch mask with voice amp and Integrated Pass.

Bidder Complies: **Yes**_____ **No**_____

14.5 Six (6) of the extra cylinders shall be a 4500 psi, 45 minute carbon cylinder.

Bidder Complies: **Yes**_____ **No**_____

14.6 Two (2) of the extra cylinders shall be a 4500 psi, 30 minute carbon cylinder.

Bidder Complies: **Yes**_____ **No**_____