

Request for Bids
Self-Contained Breathing Apparatus (SCBA)
Town of Moncks Corner Fire Department
David Miller, Fire Chief

Bid Responses Due By: August 8, 2016 at 4:00 p.m.

Submittals shall be delivered in a sealed package container or envelope clearly marked on the outermost portion of the package:

Moncks Corner Fire Department SCBA Bid # 2016-07

Bids will be received at:

**Town of Moncks Corner
118 Carolina Ave.
Moncks Corner, SC 29461**

Direct Questions to:

**Chief David Miller
Email: david.miller@twm-mc.com
Phone: (843) 719-7991**

ANTICIPATED SCHEDULE OF EVENTS

EVENT	DATE
Questions and Clarification Requests Due	July 22,2016
Bid Due Date and Opening	August 8, 2016
Anticipated Award Date	August15,2016

REQUEST FOR BIDS FOR SELF-CONTAINED BREATHING APPARATUS

1. INTRODUCTION

- 1.1. The Town of Moncks Corner Fire Department is seeking bids for purchase of self-contained breathing apparatus (SCBA) and related components. The SCBA and related components shall meet the minimum specifications listed below. All bids must conform to these minimum specifications and be presented on the forms provided for that purpose.

2. BIDS

- 2.1. Bids must be submitted on the forms included in this document, and must be properly signed in the spaces indicated. Two (2) complete sets of your bid must be submitted in a sealed envelope plainly marked with the bid number through the Town of Moncks Corner Purchasing Department. Bids submitted otherwise will not be acceptable.
- 2.2. The Town of Moncks Corner reserves the right to reject any or all bids, waive technicalities, and to be the sole judge of suitability of the equipment or services for its intended use and further specifically reserve the right to make the award in the best interests of the Town. All equipment or services listed is intended for a particular use by the Town in which it is to be utilized and must meet the requirements of that particular department. Other factors to be considered in awarding the bid will be price, quality, and time required to make delivery. Unless otherwise specified by the bidder, the Town reserves the right to accept any item in the bid and to award items to one single provider.
- 2.3. Failure to respond to any requirements outlined in this RFB, or failure to enclose copies of the required documents, may disqualify the bid.
- 2.4. Since time is of the essence, the date of delivery as shown in the Bid may be taken into consideration in the award or in the cancellation of the award for breach of contract.
- 2.5. A contract will be awarded after an evaluation of all bids have been made, and in the interest of suitability to the Town's needs and/or economy, equipment, furnishings or service other than the lowest in price may be selected.

3. EXCEPTIONS TO SPECIFICATIONS

- 3.1. These specifications are based upon design and performance criteria which have been researched and analyzed by the department. Therefore, major exceptions to these specifications will not be accepted.
- 3.2. To the right side of each section for a particular specification, the bidder shall state "YES", "NO" or "EXCEPTION" indicating the exact compliance with the specification.
- 3.3. All deviations and exceptions, no matter how slight, shall be clearly explained in writing with the bid proposal. All exceptions must list the section number and fully describe the exception or alternative.
- 3.4. The Town of Moncks Corner Fire Department may choose to reject bids based on exceptions. Any exceptions that make the SCBA non-compliant with the National Fire Protection Association's 2013 Edition of NFPA-1981 "Open-Circuit Self-Contained Breathing Apparatus (SCBA) For Emergency Services" will result in the bid being rejected.

4. WARRANTY INFORMATION

- 4.1. Vendor shall state specifically in the bid the manufacturer’s warranty, regarding parts, labor and the duration of the warranty in years. If separate parts of the SCBA/cylinder/face piece/harness/belts/hoses/electronics having different warranties, this shall be specified in the bid. The vendor shall state specifically any and all regularly scheduled maintenance and requirements outlined by the manufacturer to maintain any and all warranties.
- 4.2. Additionally, the vendor shall also provide specific information regarding where said maintenance can and/or should be performed (i.e., within the Town of Moncks Corner Fire Department, manufacturer’s service center, etc.).

5. COST OF OWNERSHIP

- 5.1. The vendor and/or manufacturer’s representative shall, to the best of their ability, provide documentation and/or information regarding their SCBA’s projected “cost of ownership” over a five, ten, and fifteen year period.

6. CONTACT

- 6.1. Questions regarding the specifications should be directed to Chief Miller, Town of Moncks Corner Fire Department, (843) 719-7991 or david.miller@town-mc.com

7. MINIMUM SPECIFICATIONS OF THE SELF-CONTAINED BREATHING APPARATUS

- 7.1. It is the intent of these minimum specifications to describe certain equipment in sufficient detail to obtain competitive bids from qualified vendors for the furnishing and delivery of said equipment to be used by the Town of Moncks Corner Fire Department. All parts not specifically mentioned which are necessary to provide the described equipment shall be included in the proposal and shall conform in strength and quality or material and workmanship to what is usually provided for the trade in general. Any omissions of components in these specifications are inadvertent and should be included in the proposed SCBA.

Regulatory Approvals	Meets Specifications		
	Yes	No	Exception
7.2. SCBA, cylinder, and facepiece shall be approved by the National Institute for Occupational Safety and Health (NIOSH), under 42 CFR, Part 84 for chemical, biological, radiological, and nuclear protection (CBRN) with 45 or 60 minute-rated service life and compliant with all requirements of the National Fire Protection Association's 2013 Edition of NFPA-1981 Standard on Open-Circuit Self-Contained Breathing Apparatus.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.3. Units equipped with integrated PASS device must meet requirements of NFPA 1982, 2013 edition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.4. Units equipped with accountability system must meet minimum requirements for FCC part 15 and part 90.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		Meets Specifications		
		Yes	No	Exception
7.5. Facepiece				
7.5.1	Facepiece shall have removable inhalation check valve to prevent exhaled air from entering and contaminating the second stage regulator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.2	Facepiece shall not contain electronic components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.3	Facepiece shall provide means to display to user with visual indicators for Heads-Up Display (HUD).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.4	Facepiece shall have the ability to accept a spectacle kit for vision correction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.5	Facepiece shall have universal lens that can be used with all facepiece sizes, shall be comprised of non-shatter type material and shall be field-replaceable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.6	Lens shall be anti-fog coated on inside.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.7	Facepiece shall have exhalation valve that is to be serviceable without special tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5.8	Facepiece shall be capable of water submersion for cleaning and disinfection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		Meets Specifications		
		Yes	No	Exception
7.6. Mask-Mounted Regulator				
7.6.1.	The second stage regulator shall be able to be attached to facepiece with one gloved hand.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.6.2.	Regulator shall be equipped with variable flow bypass.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		Meets Specifications		
		Yes	No	Exception
7.7. Heads-Up Display (HUD)				
7.7.1.	HUD shall be powered from central power system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.7.2.	HUD System shall be immune to radio frequency interference (RFI) and must function properly in close proximity to fire service hand-held radios.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.7.3.	HUD shall incorporate photoelectric sensor that senses ambient light conditions, automatically adjusting display to one of multiple pre-programmed light intensities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.7.4.	End-of-Service-Time Indicator shall be visible from outside of firefighter's facepiece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.8. Universal Air Connection (UAC) & Emergency Breathing Safety System	Meets Specifications		
	Yes	No	Exception
7.8.1. SCBA shall be equipped with a Rapid Intervention Crew/Company Universal Air Connection (RIC UAC) and Emergency Breathing Safety System.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.9. Pressure Reducer (First Stage regulator) with Primary Low Pressure Warning Device	Meets Specifications		
	Yes	No	Exception
7.9.1. Pressure reducer shall incorporate downstream valve to ensure fail-safe design when in open position.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.9.2. Pressure reducer shall incorporate an alarm mechanism that automatically operates when supply cylinder air pressure reaches approximately 33% of rated service life.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.10. Cylinders	Meets Specifications		
	Yes	No	Exception
7.10.1. Cylinder shall contain cylinder valve that shall incorporate pressure gauge to indicate cylinder pressure at all times. Pressure gauge face shall be luminescent. Hand wheel shall be placed at 90° angle from cylinder axis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.10.2. Delivered cylinders more than 90 days past their manufacture date will not be accepted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.11. PASS Device and Electronic Components	Meets Specifications		
	Yes	No	Exception
7.11.1. SCBA shall be equipped with an integrated PASS device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.11.2. Electronic components shall be powered by alkaline batteries or lithium-ion rechargeable batteries.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.11.3. PASS or power control module shall have RFID chip for asset and maintenance tracking.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.12. Electronic Supplementary Voice Communications	Meets Specifications		
	Yes	No	Exception
7.12.1. SCBA shall be equipped with Electronic Supplementary Voice Communications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.12.2. Speaker module shall be capable being immersed in water without damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.13. Carrier and Harness	Meets Specifications		
	Yes	No	Exception
7.13.1. Shoulder harness shall have retro-reflective markings for better visibility within low light conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.13.2. Harness shall have adjustable padded shoulder straps and adjustable waist straps.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.13.3. Carrier frame shall be padded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.13.4. Back plate shall have two side handles and one top handle that are accessible with gloved hand. Handles shall be capable of at least 500 lbs. of force.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.13.5. Back plate cylinder band shall be easily adjustable to accommodate different cylinder sizes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.13.6. Harness design shall have regulator keeper for storage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OPTIONS

The Town of Moncks Corner Fire Department has identified the following options that it will consider in addition to the minimum specifications. Additional options will be considered given they fall within the available budget for the project.

7.14. OPTION A	Meets Specifications		
	Yes	No	Exception
7.14.1. Permanent factory labeling of SCBA backpack/harness and air cylinders to identify ownership and to include Moncks Corner Fire inventory numbering system. Add on or glued on stickers are not acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.15. OPTION B	Meets Specifications		
	Yes	No	Exception
7.15.1. Emergency Air Supply System (RIT Pack). The air source shall consist of the following components: 7.15.1.1. A carrying bag 7.15.1.2. 60-minute, 4500 PSI carbon cylinder 7.15.1.3. A Universal Air Connection (UAC) high- pressure emergency airline that will function with any manufacturers NFPA 1981, 2002 compliant or newer self-contained breathing apparatus 7.15.1.4. A low-pressure airline hose assembly with male and female EBSS fittings and additional ports to allow the use of other SCBA manufacturer's EBSS fittings 7.15.1.5. A RIT Style facepiece 7.15.1.6. A second stage pressure regulator 7.15.1.7. Alarm indicator for low air pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.16. OPTION C	Meets Specifications		
	Yes	No	Exception
7.16.1. Pack tracking and/or telemetry software and related components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.17. OPTION D	Meets Specifications		
	Yes	No	Exception
7.17.1. Air Purifying Respirator adaptor to be used with the SCBA facepiece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.18. OPTION E	Meets Specifications		
	Yes	No	Exception
7.18.1. Trade-in allowance (credit) for existing SCBA inventory. (See LIST OF PRESENT SCBA SUPPLIES FOR TRADE-IN ALLOWANCE). The Town of Moncks Corner Fire Department solely reserves the right to exercise or not exercise this option. Any trade in allowance (credit) will be applied towards the purchase of SCBAs, related components, and/or testing/training costs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. TRAINING and FIT TESTING

8.1. Training & Fit testing	Meets Specifications		
	Yes	No	Exception
8.1.1. The successful bidder shall provide, at no cost to the department, a technician level maintenance training class to two (2) members of the department at the manufacturer's location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.1.2. The successful bidder will submit a plan for training all department personnel how to use the SCBA. The training program shall be in a Power Point or similar format.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.1.3. The successful bidder shall provide initial fit testing for all members of the fire department. The fit testing shall comply with quantitative fit testing protocol per OSHA 1910.134 Appendix A Part I.c.3 (CNC (PortaCount) protocol). Fit testing shall include proper fit for each user with all sizes of face piece and nose cup being utilized to insure an adequate fit test is achieved. A computer generated report shall be provided to the department. The report shall include the information specified in OSHA 1910.134(m) records.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. REQUIRED QUANTITIES AND PRICING

Item #	Quantity	Description	Price Each	Total Price
1	24	2013 Edition of NFPA-1981 4500 psig Compliant SCBA, according to aforementioned minimum specifications and/or exceptions , 45 minute carbon cylinder.		
2	24	4500 psig, 45 minute rated, carbon-wrapped cylinder.(additional)		
4	24	Facepieces		
5	48	Facepiece Bags.		
6	1	Updated software for Posi-Chek 3 USB		
7	10	Spectacle kits for use with facepiece		
8	1	Shipping Cost		
9	1	Tax @ 8%		
Total Price of Required Items				

10. OPTION PRICING

Item #	Quantity	Description	Price Each	Total Price
A	48	Factory labeling of components.		
B	1	Emergency Air Supply System with bag (RIT Pack)		
C		Pack tracking or telemetry software and/or components.		
D		Air Purifying Respirator (APR) adaptors		
E		Tax @ 8%		
Total Price of Option Items				

11. OPTION E - TRADE IN QUANTITIES

Item #	Quantity	Description	Price Each	Total Price
1	24	Survivair Panther 2002 Compliant SCBA 2216 PSI.		
2	44	Survivair Facepiece		
3	46	30 min Composite Cylinders 2216 psi		
4				
5				
Total Credit for Trade In Items				

**TOWN OF MONCKS CORNER FIRE DEPARTMENT
REQUEST FOR BIDS ON
SELF-CONTAINED BREATHING APPARATUS**

I, _____, as an authorized signer for my company hereby certify that the figures contained in this Bid Proposal are accurate and correct. I also have read and understand the specifications for the Town of Moncks Corner, SC, Self-Contained Breathing Apparatus and submit this Bid Proposal for consideration.

Signed _____

Print Name _____

Title _____

Company _____

Mailing Address _____

Phone _____

Date _____