

**KANAWHA COUNTY COMMISSION**

**P. O. BOX 3627  
407 VIRGINIA STREET, EAST  
CHARLESTON, WEST VIRGINIA 25301  
(304) 357-0115**

**REQUEST FOR QUOTATIONS**

Re: Fire Fighting Turnout Gear for the Clendenin Volunteer Fire Department

Date: March 14, 2017

Fiscal Year: 2016-2017

**Bid Opening: Bids must be received on or before Friday, March 24, 2017, at 3:00 p.m. in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301 (P.O. Box 3627, Charleston, WV 25336)**

INSTRUCTIONS TO BIDDERS:

**\*PLEASE USE THIS FORM AS THE COVER SHEET FOR YOUR BID**

1. **Bids must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed or electronically transmitted bids will not be accepted.**
2. Bid must be F.O.B. Delivery Point, unless otherwise indicated in the Bid.
3. All bids should be signed and in ink, showing all facts and the total amount of the bid.
4. Once bids are unsealed, all bid documents become Public Record.
5. The Clendenin VFD reserves the right to accept or reject in part or in whole any bid submitted, whichever is in the best interest of the Clendenin VFD.

Item No.	Description
1	Fire Fighting Turnout Gear for the Clendenin Volunteer Fire Department per the Attached Specifications

Vendor Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Address: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_  
Telephone: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**\*\*\*ATTENTION VENDORS\*\*\***

Have you registered for the Kanawha County Commission Automatic Vendor E-Mail Notification System for bid specifications? Register by visiting our website @ [www.kanawha.us](http://www.kanawha.us)

**SPECIFICATIONS**

**COUNTY COMMISSION OF KANAWHA COUNTY  
CHARLESTON, WEST VIRGINIA**

- ITEM:** Fire Fighting Turnout Gear for the Clendenin Volunteer Fire Department
- LOCATION:** Kanawha County Commission  
Office of Emergency Services  
407 Virginia Street, East  
Charleston, WV 25301
- CONTACT:** Jerie Whitehead  
Purchasing Director  
Kanawha County Commission  
407 Virginia St., East  
P.O. Box 3627  
Charleston, WV 25336  
[jeriewhitehead@kanawha.us](mailto:jeriewhitehead@kanawha.us)
- C.W. Sigman  
Kanawha County Office of Emergency  
Services  
407 Virginia Street, East  
Charleston, WV 25301  
Telephone: 304-357-0991  
304-550-2819  
[cwsigman@kanawha.us](mailto:cwsigman@kanawha.us)
- BID OPENING:** **Bids must be received in a sealed envelope, with the date and time of the bid opening on the outside of the envelope, on or before Friday, March 24, 2017, at 3:00 p.m., in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336). *Faxed and electronically transmitted bids will not be accepted.***
- SPECIFICATIONS:** The following specifications are intended to describe turnout gear for the Clendenin Volunteer Fire Department and the details contained in these specifications are not intended to exclude any vendor from bidding, but are offered as a means of describing the needs of the Clendenin VFD. All specifications are minimum requirements. The Clendenin VFD reserves the right to accept or reject in part or in whole any bid submitted, whichever is in the best interest of the Clendenin VFD.

**CLENDENIN VOLUNTEER FIRE DEPARTMENT  
CLENDENIN, WV  
GENERAL SPECIFICATIONS FOR FIRE FIGHTING TURNOUT GEAR**

**SCOPE:** The bid amounts are to be made available to all fire departments located within Kanawha County, West Virginia for six months from the date of the bid opening

**BID AMOUNTS:** Please attach a separate sheet with the bid amounts for each item specified below.

## CVFD GEAR SPECS 2017

### 1. GENERAL SPECIFICATIONS - FIREFIGHTER STANDARD TURNOUT GEAR PANTS AND COATS

1.1 PURPOSE: The purpose of the clothing is to provide protection during structural firefighting operations where there is a threat of fire and against adverse environmental effects during structural firefighting as well as when certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extrication.

1.2 STANDARDS: All garments produced shall meet or exceed the criteria set forth in the current NFPA Standard 1971 latest revision for PROTECTIVE ENSEMBLE FOR STRUCTURAL FIRE FIGHTING.

1.3 THIRD PARTY TESTING: All components and composites used in the construction of garments shall be third party tested, certified and listed for compliance to NFPA Standard. Such certification shall be denoted by the certification label of the third party tester as shown in the specifications for the Garment label.

1.4 QUALITY ASSURANCE: The manufacturer shall provide and maintain a quality assurance program that is certified and registered to ISO.

1.5 LABELING: Labels shall be attached to each detachable layer in accordance with applicable NFPA Current Edition Standard.

1.51 Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the label(s) shall include the following information. a. Compliance to NFPA Standard #1971 – 2013 Edition b. Underwriters Laboratories classified mark c. Manufacturer's name d. Manufacturer's address e. Manufacturer's garment Identification number f. Date of Manufacture g. Size

1.52 USER INFORMATION GUIDE: Each garment shall include a User Information Guide with information required by NFPA Standard 1971, 2013 Edition. This guide shall include:

a. Pre-use information: 1. Safety considerations. 2. Limitations of use. 3. Garment marking recommendations and restrictions. 4. A statement that most performance properties of the garment cannot be tested by the user in the field. 5. Warranty information. b. Preparation for use: 1. Sizing/adjustment. 2. Recommended storage practices c.

Inspection: Inspection frequency and details. d. Don/Doff: 1. Donning and doffing procedures. 2. Sizing and adjustment procedures. 3. Interface issues. e. Use: Proper use consistent with NFPA 1500, Standard on Fire Department, Occupational Safety and Health Program, and 29 CFR 1910, 132. f. Maintenance and Cleaning: 1. Cleaning instructions and precautions with a statement advising users not to use garments that is not thoroughly cleaned and dried. 2. Maintenance criteria and methods of repair where applicable. 3. Decontamination procedures for both chemical and biological contamination. g. Retirement and disposal criteria: 1. Manufacturer's garment identification number 2. Date of manufacture 3. Size

1.6 WARRANTY:

The manufacturer shall warrant these jackets and pants to be free from defects in materials and workmanship for their serviceable life when properly used and cared for.

\_\_\_\_\_ Comply      \_\_\_\_\_ Exception

Outer Shell Material- Jackets and Pants

2.1 Material shall meet the current edition of NFPA 1971

2.2 The outer shell, thermal barrier, moisture barrier and all material components utilized in the construction of the garment shall meet the applicable NFPA Current Edition standard. All stitching shall meet the required breaking strength specified by the standard for the particular application

\_\_\_\_\_ Comply      \_\_\_\_\_ Exception

2.3 OUTER SHELL: The outer shell shall be constructed of TENCATE "Kombat Flex™ " 64/36 Kevlar®/PBI® blend material with an approximate weight of 6.9 oz. per square yard, or equivalent material and shall be listed as an alternative in the bid. Color of the garments shall be Gold.

\_\_\_\_\_ Comply      \_\_\_\_\_ Exception

2.4 MOISTURE BARRIER: The moisture barrier material shall be constructed of 4.7 oz./sq. yd. Crosstech Black moisture barrier, or equivalent materials and shall be listed as an alternative in the bid. The material shall meet the NFPA 1971 Current Edition requirements for resistance to water penetration, viral penetration, and common chemical penetration. All seams are to be heat and pressure sealed with 1" seam tape.

\_\_\_\_\_ Comply      \_\_\_\_\_ Exception

2.5 THERMAL BARRIER: The thermal liner shall be constructed of 7.4 oz. per square yard

Glide 2 layer. Facecloth will be 60% filament, 40% spun Twill weave. With Kevlar® / Nomex® E-89™ spunlace batts. A material equivalent shall be acceptable and listed as an alternative with the exact materials listed in the bid. A 7 inch by 9 inch pocket, constructed of self material and lined with moisture barrier material, shall be affixed to the inside of the jacket thermal liner on the left side by means of a lock stitch. The thermal liner shall be sewn to the moisture barrier and bound around its perimeter.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

2.6 MOISTURE BARRIER/THERMAL BARRIER CONSTRUCTION: The moisture barrier shall be completely sewn to the thermal barrier at its perimeter and finished with moisture barrier binding so no raw edges are exposed. The film side of the moisture barrier shall be oriented toward the thermal barrier. All seams are to be heat and pressure sealed with seam tape.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

2.7 ATTACHMENT OF THERMAL/MOISTURE BARRIER TO THE OUTER SHELL: The liner shall be completely detachable by means snaps across the collar and down each side. The liner system shall attach to the shell with snap fasteners appropriately spaced on each jacket facing and snap fasteners at each sleeve end. Additional snaps shall be placed at the bottom of the jacket which fastens the thermal liner to the outer shell to keep thermal liner in place during wear.

The thermal liner and moisture barrier shall be completely removable from the pant shell. Nine snap fasteners shall be spaced along the waistband to secure the thermal liner to the shell. The legs of the thermal liner/moisture barrier shall be secured to the shell with 2 snaps per leg.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

### 3. COAT SPECIFICATIONS:

3.1 DESIGN AND PERFORMANCE: The coat shall be constructed of three separate body panels designed to afford maximum unrestricted movement of the arms and shoulders. The coat shell and liner which are equal in length shall provide a minimum overlap of all protective layers (when worn with bunker pants) in accordance with NFPA 1500. The coat shall have a standard tail. The tail shall be a part of the coat. Any tails that are attached via Velcro or snaps will be considered unacceptable.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.2 CONSTRUCTION: All components MUST be in compliance with the test specifications for NPFP 1971, 2013 Edition

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.3. COAT METAL CONTACT PREVENTION: The coat shall be constructed so that, when completely assembled, there shall be no direct metal contact from the exterior of the outer shell through the thermal barrier to the wearer's body.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.4 STORM FLAP: An extra-wide storm flap measuring no less than 3" wide and at least 23" long shall provide continuous thermal and moisture protection of the torso. The storm flap shall be constructed of four layers: moisture barrier and thermal barrier sandwiched between two layers of the outer shell material. Closure on the front facings shall be a heavy duty high-temp smooth-gliding zipper on the jacket front and hook and dee rings on the storm flap. Chest trim pattern shall continue across the storm flap.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.5 COLLAR: The collar shall provide continuous thermal and moisture protection to the face and neck. It shall be no less than 3" high. The collar shall be constructed of four layers: moisture barrier, thermal barrier and inside and outside layers of outer shell material. A 2" wide piece of Velcro shall be set horizontally on the left front collar to the throat tab when in use. An additional 2" x 2" Velcro patch shall be sewn to the outside collar in the back for storage of throat tab when not in use. Any throat tab that has nomex knit material on it shall be black in color.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.6 POCKETS: Each jacket front body panel shall have a 1 1/2 inch deep by 9 inch wide by 6 inch high half height bellow pocket, double stitched to it and shall be located such that the bottom of the pockets are at the bottom of the jacket for full functionality when used with an SCBA. Retro reflective trim shall run over the bottom of the pockets so as not to interrupt the trim stripe. Two rust resistant metal drain eyelets shall be installed in the bottom of each expansion pocket to facilitate drainage of water. Pocket flaps shall be double layered. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material and shall measure 3 inches deeper than the pocket expansion and 1/2 inch wider than the pocket. The pocket flaps shall be closed by means of FR Velcro® fastener tape. Two pieces of 1 1/2 inch by 3 inch FR Velcro® hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1 1/2 inch by 3 inch FR Velcro® loop fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and

positioned to engage the hook fastener tape. All pockets will be reinforced with Kevlar material on inside of the pocket.

An inside pocket of thermal liner material measuring 8" x 7" shall be sewn to the thermal layer of the coat.

Additionally, a separate hand warmer pocket compartment will be provided under the half height bellow pockets. This compartment will be accessed from the rear of the pocket and shall be lined with Nomex® Fleece on both sides of the pocket for warmth and comfort. Shell material linings shall not be considered acceptable.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.7 RADIO POCKET: The radio pocket shall be constructed of outer shell material and lined with moisture barrier. The pocket shall be approximately 8" x 3" x 2" with bras grommets for drainage. Radio pocket flaps of double layer shell material shall have an internal layer of moisture barrier and 2" x 2" hook and loop for closure. The radio pocket flap shall be notched to accommodate the radio antenna on either side as user discretion. A strip of 3" reflective trim shall be added to continue the trim pattern. The radio pocket will be sewn on to the left chest.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

3.8 NOTCHED RADIO POCKET FLAP      The radio pocket flap shall be notched to accommodate the radio antenna on the left side as worn.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

### 3.9 MICROPHONE STRAP

A strap shall be constructed to hold a microphone for a portable radio. It shall be sewn to the jacket at the ends only. The size of the microphone strap shall be 1 inch x 3 inches. The microphone strap shall be mounted above the radio pocket and shall be constructed of double layer outer shell material.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

### 3.10 SLEEVE CUFF REINFORCEMENTS

The sleeve cuffs shall be reinforced with a layer of black Dragonhide® material, or equivalent material and shall be listed as an alternative in the bid. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance. The cuff

reinforcement shall be double stitched to the sleeve end; a single row of stitching shall be considered unacceptable.

Comply             Exception

### 3.11 SURVIVOR FLASHLIGHT HOLDER

Each jacket shall be equipped with a "Survivor" flashlight holder. An inward facing metal safety coat hook shall be triple riveted in a vertical position to a patch that is sewn on the upper right chest. The inward facing coat hook will accommodate the clip portion of the flashlight. Below the coat hook will be a strap constructed of outer shell material measuring approximately 1½ inches high and 9 inches wide, and will hold the barrel of the flashlight. The lower strap will be equipped with a 1½ inch by 2½ inch FR Velcro® closure at the front of the strap to facilitate easy removal of the flashlight. There shall be approximately 3 inches between the upper coat hook and lower strap. The "Survivor" flashlight holder shall be sewn to the jacket on the right chest.

Comply             Exception

3.12 WRISTLETS: Nomex® knit wristlets with thumb loop not less than 4 inches in length and of double thickness. A loop of 5/8 inch wide white Nomex twill shall be installed on each wristlet. This loop is designed to slip over the thumb and hold the wristlets from riding up the arm. Nomex® knit is constructed of 96% Nomex® and 4% Spandex for shape retention, or equivalent material and shall be listed as an alternative in the bid. The color of the wristlets shall be Black. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised.

Comply             Exception

3.13 REFLECTIVE TRIM: All 3" fluorescent reflective NFPA-compliant trim shall be used. All trim shall be attached by double-stitching (four rows total). The trim shall be 3" Scotchlite "Triple Trim" Lime/Yellow with Silver. The placement shall be New York Style.

Comply             Exception

3.14 COAT SIZING: Coats shall be Custom sizing. This includes but is not limited to chest size, sleeve length, front length, back length, and shoulder length. The manufacturer will also provide sizing gear for members to try on to ensure they are fit with the proper size gear.

Comply             Exception



3.15 DRAG RESCUE DEVICE: Coats shall be equipped with a self-contained rescue harness. The harness shall be placed between the outer shell and inner lining of the coat and when deployed shall secure the wearer under both arms. Access to the handle of the harness shall be at the nape of the garment below the collar and placed in such a way as to operate properly without interference from SCBA. The handle of the harness shall be protected from the environment and weather by an access flap secured with hook and loop or similar material. The flap shall include a strip of 2" matching reflective trim. The harness shall be easily accessible for periodic inspection.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.16 SEWN ON RETROREFLECTIVE LETTERING: Each jacket shall have 3" lime/yellow 3M Scotchlite™ lettering on the back upper portion of the jacket. The lettering shall be sewn onto a patch that is then sewn onto the jacket. The lettering shall read C.V.F.D.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.17 NAME: Personnel's last name shall be on the tail of each coat. Lettering shall be 3" tall in reflective material. The name will be on a rectangular patch that attaches to the bottom of the coat on the tail via Velcro.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.18 Take up straps: The coat shall have a take up strap on each side of the coat. The strap will be made of outer shell material and will use metal buckles.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.19 Accessory hook: The coat will have a hook on a patch on the right rear part of the coat. 3 inches from the bottom hem. This will be used to attach a anti-sway bar for a radio or used to have glove straps from.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

3.20 Patch: The coat will have a Clendenin fire and rescue patch located on left sleeve. It will be printed on a 4x4 square patch that is black in color.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

#### PANT SPECIFICATIONS:

4.1 DESIGN AND PERFORMANCE: The pant shall be designed to afford maximum

unrestricted movement.

4.2 CONSTRUCTION: All components MUST be in compliance with the test specifications for NFPF 1971 2013 Edition

4.2.1 The outer shell, thermal barrier, moisture barrier and all material components utilized in the construction of the garment shall meet the applicable NFPA 1971 standard. All stitching shall meet the required breaking strength specified by the standard for the particular application.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.3 PANT METAL CONTACT PREVENTION: The pant shall be constructed so that, when completely assembled, there shall be no direct metal contact from the exterior of the outer shell through the thermal barrier to the wearer's body.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.4 EXTERNAL / INTERNAL FLY FLAP

The fly will be of the narrow type. No more than 3 inches wide. The closure will be zipper on the inside and Velcro on the outer portion.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.5 BELT/HARNESS

Each pant shall include a 2 inch wide black belt with an adjustable hi-temp thermoplastic buckle serving as the exterior primary positive locking closure. Sizing adjustments shall be provided by a self locking 2 inch thermoplastic buckle; this buckle shall also provide a quick release mechanism for donning and doffing. The belt shall be attached to the pants with a total of seven straps that will attach to the pants to allow the use of a belt or Gem Tor Class II rescue harness. Each strap shall be sewn to the outer shell and will fasten to itself by means of snap fasteners. This is to allow attachment of a rescue harness or belt by each individual but will not provide a hindrance to anyone who elects not to use a harness or belt.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.6 SUSPENDERS: Suspenders will be of H back style or equivalent. They will be attached to the pants by the use of horizontal loops on the waist of the pants. They will be snap style suspenders with quick adjust and also padding on the shoulders.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.7 POCKETS: The pockets shall be constructed of one layer of the outer shell material and lined with Kevlar. Pocket flaps shall be double layered and extend ½” beyond each side of the pocket. The Pockets shall be 9x9x1 1/2 full bellow pockets. Pockets shall be equipped with two (2) rust resistant metal drain eyelets for drainage. Pocket flaps shall use 1 ½ inch by 3 inch Velcro closure.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

4.8 POCKET DIVIDER The right side expansion pocket shall be equipped with a vertical divider separating the pocket into two compartments. The divider will split the pocket 50/50. The left pocket will have a tool pouch built into the inner side of the pocket holding 3 tools (pliers, screwdrivers, etc.)

\_\_\_\_\_Comply            \_\_\_\_\_Exception

4.9 KNEE REINFORCEMENT: The knee area shall be reinforced with double-stitched material to the pant shell. The layer, measuring 9” x 12”, shall include one layer of thermal barrier, and one layer of Dragonhide material, or equivalent material and shall be listed as an alternative in the bid. One layer shall be of foam for extra padding on the knees, sandwiched between the outer shell and knee reinforcement. Any material put on the knee will be black in color.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

4.10 PANT CUFF: The cuff area of the pants shall be reinforced with a layer of Dragonhide, or equivalent material and shall be listed as an alternative in the bid, material. The cuff reinforcement shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the end of the legs for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the outer shell for a minimum of two rows of stitching.

\_\_\_\_\_Comply            \_\_\_\_\_Exception

#### 4.11 REVERSE BOOT CUT

The outer shell pant leg cuffs will be constructed such that the back of the leg is shorter than the front. The liner will also have a reverse boot cut at the rear of the cuff and a concave cut at the front to keep the liner from hanging below the shell. This construction feature will minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking" on the pant cuffs.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.12 REFLECTIVE TRIM: All 3” fluorescent reflective NFPA-compliant trim shall be used. A band shall be placed completely around each pant leg approximately 3” above the hem.

All trim shall be attached by double-stitching (four rows total). The trim shall be 3” Scotchlite “Triple Trim” Lime/Yellow with Silver.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

4.13 PANT SIZING: Pants shall be available in custom sizing which includes but is not limited to waist, hip, pant rise, inseam, and also measure for proper suspender length. The manufacturer will also provide sizing gear for members to try on to ensure they are fit with the proper size gear.

\_\_\_\_\_Comply          \_\_\_\_\_Exception

#### EXCEPTIONS TO SPECIFICATIONS

Any and all exceptions to the above specifications must be clearly stated for each heading. Use additional pages for exceptions, if necessary.

#### COUNTRY OF ORIGIN

Jackets and Pants shall be manufactured in the United States. It by means of snap fasteners.

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#### **Addendum to Specifications:**

Options:

- Quote will be good for any Kanawha County Fire Department for a period of six months
- Options listed for different colors of the outer shell
- Options listed for different pocket styles
- Option for different department name

#### **REQUIREMENTS:**

Shipping: All Bids shall include shipping to the Clendenin Volunteer Fire Department or the VFD making the purchase.

Real Estate and Personal Property Taxes: No bid will be accepted or opened on any County contract if the vendor is listed on the last published list of delinquent real or personal property taxes in Kanawha County; however, the Clendenin VFD will accept bids by vendors who provide satisfactory proof of payment of current taxes or a certification from the Sheriff that no taxes are due prior to submission of said bid.

Required Forms: Successful vendor shall complete and submit, or have on file with the County, a Vendor Registration and Disclosure Statement Form, No Debt Affidavit and IRS Form W9.

Once bids are unsealed, all bid documents become public record. The Clendenin Volunteer Fire Department reserves the right to reject any and/or all bids and to waive any informality in bidding.