



C-7984
02/22/2011

ACCEPTANCE AGREEMENT

RE: RFP 11-25, FIREFIGHTER TURNOUT GEAR

1. This is to notify you that on February 22, 2011, City Council has awarded RFP #11-25 to your company, Municipal Emergency Services.
2. This notification constitutes an acceptance of your offer to provide the materials listed on the Price Page(s) at the prices bid. All terms and conditions of the RFP shall apply.
3. The term of this Agreement shall be for a one-year initial period with the option to extend, by agreement between the City and Contractor, for five more one-year periods thereafter for a maximum term of six years.
4. A contract administrator shall administer the Agreement for the City. The contract administrator for the City shall be Marsha Brantner.
5. This Agreement does not constitute a commitment to purchase on the part of the City of Glendale.
6. You are required to sign and return this Agreement within ten (10) days from the date of this notice. If you fail to furnish the document within ten (10) days from the date of this notice, the City will consider this as a default. The City shall be entitled to such rights as may be granted by law.

Please complete the acknowledgment section below and return one copy to the attention of Brian Guzzi, City of Glendale, Materials Management, 6829 N 58th Dr., Suite 202, Glendale AZ 85301.

Bernie Rosen
Materials Manager

ACKNOWLEDGED:

Bumery Johnson
Signature

Operations Leader
Title

Municipal Emergency Services
Company Name

2/25/11
Date



CITY OF GLENDALE

MATERIALS MANAGEMENT INVITATION FOR BID

SOLICITATION NUMBER: IFB 11-25
DESCRIPTION: Firefighter Turnout Gear
BID DUE DATE AND TIME: December 1, 2010 AT 2:00 P.M. LOCAL TIME
PRE BID CONFERENCE:

Offers for the materials or services specified will be received by the City of Glendale, Materials Management at the below specified location until the time and date cited. Offers received by the correct time and date will be opened and the name of each bidder and the amount of the bid will be publicly read.

Bid Opening and Submittal Location: City of Glendale
Attn: Materials Management
6829 North 58th Drive, Suite 202
Glendale, Arizona 85301-2599

Offers must be in the actual possession of Materials Management on or prior to the time and date, and at the location indicated above. Late offers will not be considered. Offers must be submitted in a sealed envelope with the Solicitation Number and the bidder's name and address clearly indicated on the envelope. See Paragraph 2.2 for additional instructions for preparing an offer.

OFFERORS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE SOLICITATION.

For questions regarding
General Terms and Conditions contact:
Brian Guzzi, C.P.M.
Materials Management
(623) 930-2863
Bguzzi@glendaleaz.com

For questions regarding
Scope or Specifications contact:
Marsha Brantner
Fire Department
(623) 930-3400
mbrantner@glendaleaz.com

TABLE OF CONTENTS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

SECTION		PAGES
	Notice	1
	Table of Contents	2
1.0	SPECIFICATIONS	3-34
2.0	TERMS AND CONDITIONS	35-38
3.0	OFFER SHEET	39
4.0	PRICE SHEET	40-41

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.0 SPECIFICATIONS

1.1. PURPOSE AND SCOPE

It is the intent of the City of Glendale Fire Department to purchase firefighter personal protective equipment, hereafter referred to as PPE, on an "as needed" basis. Bid specifications shall define the minimum requirements and standards for the manufacturer furnishing items required including fire fighting helmets, bunker coats and pants, hoods, gloves, boots and suspenders.

In the absence of specific comment on particular items, the industry standard practice will be presumed to prevail. Workmanship and quality shall be of the highest quality throughout. The safety of our members is our primary concern, considering that, some items that are specified are not subject to exception.

1.1.2 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) COMPLIANCE

Manufacturer shall be tested and certified compliant to all performance and design requirements of NFPA 1971 (2007 edition), by a third party listing organization in accordance with all conditions as outlined in Chapter 4 "Certification", of the NFPA 1971 (2007 edition). As NFPA does not recommend any particular lab or certification organization, and they must all meet the same standardized and accepted requirements. The manufacture MUST submit written verification that the items being offered meets or exceeds all requirements of NFPA 1971 (2007 edition), with their bid.

1.2 STRUCTURAL HELMET

OVERVIEW

This specification details minimum requirements for materials, design and construction features to be incorporated in structural fire fighting helmets. Hereafter referred to as, helmet. Each manufacturer must carefully read these specifications and respond to any and all requests for compliance. Failure to do so will be the cause for rejection of the bid. All requested documents and samples must be furnished to the department at the time the bid is submitted.

1.2.1 SAMPLES: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.2.2 CERTIFICATION: The manufacture **MUST** submit written verification of compliance of NFPA 1971 (2007 edition), with their bid.

1.2.3 COMPONENTS OF CONSTRUCTION

1.2.3.1 OUTERSHELL - Shall be of a high pressure molded construction to form the composite material. The entire outer shell shall be composed of a blend of 60% random chopped fiberglass, and 40% FR resins, FR additives and colored pigments shall be available in colors of black, white, red, yellow and green. The color shall be molded throughout. Paint or coatings on the shell are not acceptable due to the inherent problems with chipping and durability.

The design of the helmet shall be of modern design and not the "traditional" style. Brim shall be down sloping and there shall be a strengthening rib down the center of the helmet running front to rear.

Shell minimum thickness shall be .070"

1.2.3.2 SUSPENSION SYSTEM - The suspension shall be of an eight way universally adjustable design that is completely isolated from any external heat exposure. The suspension system shall allow for a low center of gravity for the wearer.

1.2.3.3 BRIM EDGE TRIM - The brim edge trim on all helmets shall be back impact resistant and fire resistive. All beading shall be bonded to the helmet edge with high temperature resistant adhesive. Preferably, the helmet shall have a high-temperature edge trim with a metal core.

1.2.3.4 HELMET HARDWARE AND THREAD REQUIREMENTS -

All threaded rods, machine bolts and screws, dowel rods and hex nuts shall be stainless steel.
All dome nuts, acorn nuts and threaded inserts where used on molded parts shall be solid brass.
All split style lock washers used shall be bronze.
Postman slides for chinstraps shall be nickel plated zinc alloy.
Quick release buckles for chinstraps shall be Delrin large style.
No rivets of any kind are permissible in the assembly of this helmet.
All flat washers shall be stainless steel.
All thread used in the earflaps shall be of Nomex Crag Spun Tex 70.

1.2.3.5 HELMET HANGER LOOP AND BRACKET - A hanger loop with at least one inch inside dimension shall be mounted at the rear of the helmet brim and shall be held in place by means of a bracket. Both of these components shall be gold anodized and fastened to the helmet with a machine bolt, lock washer and dome nut meeting hardware specifications aforementioned.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.2.3.6 FACE SHIELD MOUNTING BRACKETS - Shall be aluminum or a fiber reinforced thermoplastic with threaded inserts to accept mounting bolts. Brackets shall be mounted using bolts that pass from below, then upward through the brim using the aforementioned hardware.

1.2.3.7 INTERNAL PROTECTION SYSTEM - The preference is for a helmet that does not require an internal protection system due to the added weight; however, if an internal protection system is required, it shall be comprised of a two part system with at least a .125" thick piece of expanded thermo plastic against the outer shell. The inner liner next to the wearer's head shall be of a strip of monolithic .100" polycarbonate.

1.2.3.8 SUSPENSION HEADBAND AND RETENTION SYSTEMS - The suspension, headband and retention systems shall be comprised of the following components: suspension mounting ring; adjustable headband ratchet with padding - easily replaceable, washable and padded coverings for the headband and ratchet; and eight way overhead suspension system.

Suspension mounting ring shall be of injection molded high temperature thermo-plastic and firmly attached to the shell with two bolts each at the right and left side molded in areas, and one screw each at the front and the rear using hardware that meets specs. The mounting ring shall have eight bosses to accept the mounting tabs for the overhead suspension system. The minimum bottom of the ring opening shall be of no less that 19.6 cm from side to side, and no less than 23.5 cm front to rear to accommodate personnel with larger heads and the use of specialized firefighting gear.

Padded headband excluding ratchet assembly shall consist of a one piece injection molded part for strength, durability and comfort. Multi piece headbands are unacceptable.

Self extinguishing ¼" thick padding shall be applied with pressure sensitive adhesive and run from above and behind each ear and all the way around the brow, while using a separate piece to cover the contact area of the ratchet.

The headband will mount to the suspension tabs by a "T" connector that fits through the suspension tabs at the four diagonal bosses. Each tab and boss shall allow for four adjustable headband settings. The sizing of the headband shall allow for firefighter's heads having measurements of 6 to 9.5 which will eliminate the need for multiple separate sizes of headbands. The headband ratchet cover will be made using black 7.0 ounce FR cotton low pilling twill laminated to breathable .135" FR padding. The FR padding in turn shall then be laminated to a layer of breathable black Veltex. Both the headband and ratchet cover shall completely wrap around their respective components and be removable or replaceable for washing and or replacement purposes by means of hook fastener tape.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.2.3.9 EYE PROTECTION MOUNTING SYSTEM - The eye protection mounting system shall be NFPA 1971-2007 certified and shall be provided by use of non-conductive materials.

Mounting bracket shall be aluminum injection molded, non conductive fiber reinforced thermo-plastic. Brackets shall provide for easy one handed operation. Faceshields shall be 4" by .110" APEC with reinforced end covers.

1.2.3.10 REFLECTIVE TRIM - Reflective trim shall be five lime yellow 1'x4' reflexite bars, two on each side and one centered on the rear of the brim.

1.2.3.11 EAR COVERS/FLAPS - Standard ear covers shall be constructed in the following manner: an outer layer of 7.5 oz Basophil nomex fabric preferably golden brown; an inner layer of 7.0 oz FR cotton flannel and a ½" Nomex webbing mounting strip along the top outside edge. Nomex tape mounting strip shall be looped over the four diagonal suspension /headband mounting tabs and the fifth tab at the center rear when the suspension/headband is installed.

1.2.3.12 WINTER LINER - A winter liner to provide padding and heat protection will be provided to place in the crown portion of the suspension and shall be constructed of the same materials as the earflaps.

1.2.3.13 CHINSTRAP - The chinstrap shall be made of ¾" black Nomex spun fiber webbing and incorporate a quick release buckle on the wearer's right side; with a postman slide length adjustment on the wearer's left side. The loose end of the strap shall feature storage by means of a Velcro hook and loop fastener strap. Strap shall be installed by inserting the looped ends of the chinstrap up and through the slots in the bottom of the wings on the suspension mounting ring. Retention of the chinstrap shall be made by inserting dowel pins meeting the hardware specifications through the end loops before the mounting ring is installed.

1.2.3.14 WARRANTY - Manufacturer must provide at time of bid a written statement of warranty terms. Manufacturer shall guarantee the helmets to be free from any defect in material or workmanship for the life of the product. Manufacturer shall guarantee for five (5) years, from the date of manufacturer, the shell against damage or the ability to wear out during normal firefighting and or training activities. This warranty excludes helmets for parts that are lost due to acts of nature or negligence. The successful bidder must be able to provide a local distributor with stock to support any warranty replacement needs should they arise.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.3 TURNOUT COAT

1.3.1 UNDERWRITER LABORATORIES CERTIFICATIONS: Each bid shall include complete Underwriters Laboratories (UL) certification documents for the manufacture, on the materials and seam strength tests on all items proposed. In addition, UL documents shall be supplied certifying all fabrics proposed. A current copy of the manufacturer's UL certification, covering the standard, must accompany the bid. **There shall be no exception to this requirement.**

1.3.2 LABELING: Labeling to meet the requirements of NFPA 1971 Standard (2007 edition). The garment shall be clearly labeled to fully identify the material content of every layer, outer shell, moisture barrier, bloodborne pathogen resistant material and thermal liner. Labels affixed with adhesive or other non-lock type stitching will not be accepted because the label is the primary source for warranty traceability and warnings. Labels must also meet the NFPA vertical flammability tests. In addition each separable layer of the garment shall be labeled with the FEMSA (copyrighted) warning label in an obvious location. The garment shall provide head to toe bloodborne pathogen resistance protection, including the interface areas, as defined by the NFPA 1971 Viral Penetration Resistance Test using the Phi-X174 bacteriophage; in conjunction with the NFPA 1971 Whole garment Liquid Penetration Test. In addition each separable layer shell of the garment shall be labeled with all the FEMSA-style DANGER label in an obvious location.

1.3.3 WARRANTY FROM MANUFACTURER: Manufacturer must provide at time of bid a written statement of warranty terms. A lifetime warranty against defects and workmanship and materials must be provided.

Manufacturer will describe in detail how they plan to provide warranty repairs during the warranty period. The manufacturer shall designate a local full repair service available on weekdays and a liaison available to assist the department on a telephone consultation basis, on any warranty, maintenance, order or repair questions. This shall be available during normal business hours. The awarded manufacturer will perform any major repair work on damaged garments on a cost only basis and expedite same, within 15 working days, over the life of the contract. All warranty work will be a no charge service.

1.3.4 LIABILITY CONSIDERATIONS: The manufacturer shall agree to defend, indemnify and hold harmless the Glendale Fire Department and the City of Glendale, Arizona at the manufacturer's own expense, against any and all claims, suits, actions or proceedings in which the Department or City is made a defendant for actual or alleged infringement of any United States of America or foreign letters patent as a result of the goods purchased as a result of this solicitation. The manufacturer further agrees to pay and discharge any and all judgments or decrees which may be rendered as a result of any such claim, suit, action or proceedings against

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

the Department or City. The seller also agrees to hold harmless and indemnify the Department and City from any and all licenses, royalty and proprietary fees or costs, including legal fees and expenses which may arise out of buyer's purchase and use of all goods/clothing supplied by the seller. It is expressly agreed by the seller that these covenants are irrevocable and perpetual.

1.3.5 DELIVERY REQUIREMENTS / OVER SIZING UP CHARGES: The awarded bidder will commence shipments F.O.B. destination to: CITY OF GLENDALE, ARIZONA, Fire Department within six (6) weeks after receipt of order. Reorders shall be processed within a similar time frame. For emergencies defined by the department as contamination, new hire firefighter trainee classes and excessive number of emergency-related damages. The awarded manufacturer shall agree to provide, at no extra cost, delivery within (3) three weeks. There shall be no oversize up charging or additional costs on garments outside the "normal" range of sizes.

1.3.6 CLEANING INSTRUCTIONS: The manufacturer shall provide cleaning and care of garment instructions, including limitations in a form designed for the end user (firefighter). These instructions will be packaged with each garment along with a summary sheet describing garment specifications, sizing and production details. This written information is to be in complete compliance with all applicable NFPA guidelines and will reference the same. Garment washing, break in requirements and retirement considerations will be clearly defined.

1.3.7 TRACEABILITY: The manufacturer will have in place a computerized current traceability program that allows the assignment of a production control number to each garment and traceability from that control number down to individual bolts of fabric used in all layers of the garment. This will include the ability to track individual work stations that processed the garment. Production control number shall be recorded on the garment label and on another protected area of the garment in permanent ink.

1.3.8 MATERIALS REQUIREMENTS -

1.3.8.1 THREAD: All thread shall be Nomex of minimum TEX T-70 size or larger. Lighter colored garments and trim areas are to feature yellow colored thread and black areas of garment to feature black thread. Tan or bronze areas will feature tan thread.

1.3.8.2 STITCH METHODS:

MAJOR A AND B SEAMS: All major A and B seams (as defined by NFPA Standard 1971) shall be double stitched, double felled throughout all three layers (outer shell, moisture barrier and thermal liner) with the specified thread. All thread used in Major A and B seams shall be Nomex thread Tex size T-90.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

OTHER THREADS: All threads shall be of a minimum, Nomex 50 24/4 unless otherwise specified.

STITCH TYPE 401 (i.e. double locked stitch) as defined by Fed. Std. No. 751a to be used on all Major A and B seams in all three garment layers where applicable.

SEAM TYPE Lsc-2, modified to ensure both stitch lines penetrate four layers of cloth at joining, as otherwise defined by Fed. Std. 751a to be used on all Major A and B seams in all three garment layers where applicable.

In addition all moisture barrier seams shall be tape sealed to meet NFPA liquid penetration requirements as per NFPA 1971, 2007 edition.

MINOR SEAMS: minor seams, such as collar shields and mated hems, also shall be stitched with the specified thread. All minor seams shall be stitched with Nomex thread size TEX 70 thread.

Stitch type 301 (i.e. lock stitch as defined by Fed. Std. No. 751a)

SEAM TYPE Ssae-2 shall be used for all Minor seaming as defined by Fed. Std. No 751a.

POCKET STITCHING: Stitch Type 301, as above and Seam type Lsd-2 shall be used for all exterior pocketing.

Note: interior pocketing should include same construction details but reinforced single stitch line (seam type Lsd-1 may be substituted)

TRIM AND WARNING LABEL STITCHING: Stitch type 301 as above, to be used for all trim.

Seam type Ssbd-1 shall be used for all trim attachment.

SINGLE LAYER HEMMING AND FINISHING: Stitch type 301 as above, to be used for all single layer hemming and finishing.

Seam type Efb-1 from Fed. Std. No. 751a shall be used for all single layer hemming and finishing

NOTE: There shall be no raw edges in any uncoated fabrics. No exceptions.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

NOTE: All reinforcements at points of strain shall be accomplished with bartacks. Rivets shall not be considered acceptable. No exceptions

1.3.8.3 MATERIALS FOR COAT AND PANTS: These turnouts shall be constructed of the following materials in the following multi-layer configuration:

1.3.8.4 OUTER SHELL MATERIAL: The outer shell shall be constructed of 7.5 oz. Basophil Ripstop, 40%Basophil/ 60% Kevlar, EWP. **There shall be no exception.** The coat and pants color shall be bronze.

1.3.8.5 MOISTURE BARRIER MATERIAL: The moisture barrier shall be constructed of 8.8 oz: 5.0ounce per square yard two layer laminate comprised of an enhanced biocomponent membrane (Crosstech) and a 3.3 ounce per sq. yard Nomer ® IIIA woven pajama check substrate. Moisture barrier shall be installed in the garment between the outer shell and the thermal liner. Systems that leave the thermal liner unprotected against fireground liquids and other contaminants are unacceptable.

1.3.8.6 THERMAL LINER: Shall be a 6.6 oz Meta Aramid face cloth 3.6 oz with 2 layers of Basophil spunlace 3.0 oz. The facecloth must be dyed to standard industry colors. The thermal liner and moisture barrier shall be stitched together by stitching, turning and then top stitching, to create a self binding edge. Cotton poly non self binding edging or stitched-on edging shall not be acceptable. An inspection port, secured with hook and loop fastener shall be provided in the lower hem area to allow the entire interior of the moisture barrier/thermal liner assembly to be inspected in the field for wear and burn spots without unstitching garment. This type of liner will be used in the turnout pants also. See turnout pant specifications for specific design requirements.

The thermal liner shall be completely removable.

The liner shall not be attached by zippers or Velcro. **No exceptions.**

No plastic or foam rubber based liner system is acceptable.

1.3.8.7 PRECLUSION OF PVC FOAM OR SIMILAR FOAM: Because safety is the overriding factor in determining the composite makeup of PPE – due to the fact that the use of PVC foam, non-breathable neoprene foam, or foams of any type, may contribute to a loss of protective performance over time, or after exposure to heat, sweat, etc.; this specification precludes all use of PVC foam or foams of any type, as a component of the PPE garments. Such material may not be used anywhere in the PPE garment composite. **Any exception taken, or any non-compliance with this section, will be grounds for immediate removal from consideration.**

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.3.8.8 BREATHABILITY REQUIREMENTS: Excluding where required by NFPA standard, necessary for functionality, or specifically called out in the custom options section, all materials used in the construction of the garments shall be breathable and all moisture barrier material must be crosstech.

1.3.8.9 HIGH TEMPERATURE, NFPA 1971 CERTIFIED MATERIAL REQUIREMENTS: Reinforcements shall be provided at cuffs and shall meet the requirements of NFPA 1971.

For cuff reinforcement only: There shall be a cuff reinforcement made of an additional layer of outer shell material to prevent abrasion of the cuff. This shall be a minimum of 1 inch on inside and outside of the cuff for the full circumference of the cuff. The cuff reinforcement will be double stitched. Cuffs will be reinforced on coat and pants. **No exception.**

For pocket reinforcements only: Any NFPA 1971 certified material may be used in the reinforcement of the pocket. If the purchaser requests specific NFPA 1071 certified materials for pocket reinforcements, the manufacturer shall identify the additional cost for the specified material.

1.3.8.10 FLAMMABILITY OF CONSTITUENT MATERIAL: Labels, bindings, hang-up loops and production labels shall comply with the requirements of NFPA 1971 Flame Resistance Test One for vertical flammability of cloth.

1.3.8.11 SELF- BINDING: Liner and moisture barrier shall be stitched together and turned, then topstitched, to create a self binding. The extra bulk of separate binding materials is specifically prohibited.

1.3.8.12 SAMPLES/FIELD TESTING: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

1.3.9 COAT CONSTRUCTION REQUIREMENTS

1.3.9.1 PATTERNING REQUIREMENTS COAT: Garments shall feature a three piece body with a one piece back construction throughout the outer shell, moisture barrier and thermal liner. One piece garments shall not be acceptable in any layers.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

Seams in the mid back are not acceptable. Seams that run on top of the arm or over the elbow will not be acceptable. A sewn in or gusseted elbow patch is not acceptable.

The coat shall have 6" longer length in back than the front. The coat composite of all three layers shall not have a gap when the firefighter is bending, crawling or climbing.

Garments ordered for women members shall be cut on women's patterns, not on modified men's patterns. **No exceptions.** Sizing: sizing shall be provided in one (1) inch increments including but not limited to, chest size, arm length, coat front and back length, waist size and inseam length.

Ten inch (10 inch) chest OVER SIZING shall be provided.

Coat rise: with arms extended overhead shall not exceed more than four inches (4") at maximal extension and a minimum of 3 inches overlap at waist of pants must remain. Shell and liner retraction at the cuff shall not exceed 1 inch (2.5cm) when both arms are raised overhead on properly fitted garments.

Styling: Shall be designed to provide at least 9" frontal and 15" rear overlap or 33" shell/ 32" liner with traditional waist high pants. Shorter or longer length coats shall be determined by the wearer's actual torso length at time of sizing.

Hang up loop: a hang up loop made of a triple layer of outer shell material shall be securely sewn to the centerline back of the garment at the collar area. Webbing is not acceptable. Hangup loop shall be of a minimum 80 lb capacity.

Dead air space system: Shall be provided in the high heat load areas of the upper back/ shoulder/ chest, outside of the upper arm with a break at the elbow, and continue down the top of the forearm to the end of the thermal liner/ moisture barrier. In addition, there shall be dead air spaces created from under the arm at the point where the sleeve seam attaches to the lateral coat seam (mid -axillary), vertical pieces of material running from ten inches mid -axillary around to the back (spine area) of the coat. These shall run a vertical minimum of 16 inches from the upper shoulder back seam down towards the hem. This will create a dead air space over the firefighter's latissimus and upper back area. This shall use completely breathable high temperature fiber based materials, offer at least 80TPP, which will be extrapolated (manufacturer must provide independent laboratory test results at the time of bid and not inhibit moisture vapor transport.

1.3.9.2 SLEEVES: Wrist exposure is not to occur with overhead extension; to facilitate this, an extension of approx two inches by four and one half inches will be sewn or may be attached with Velcro hook and loop fastener tape to the end of the sleeve to cover the back of the hand. This shall be constructed of a double layer of shell material with a moisture barrier and thermal liner material sandwiched in between. Cuff /shell /liner retraction shall not exceed 1 inch when both

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

arms are raised to eliminate wrist exposure. **CUFFS:** Cuffs at the end of the sleeve and pant leg will be reinforced with an extra layer of outer shell material for one inch (1") on the inside and outside of the cuff and double sewn - No exception. At the end of the sleeves there shall be an additional cuff extension at the back of the wrists, a Velcro hook and loop fastener tape attachment is preferred. Extension shall be of Basophil shell material lined with certified moisture barrier and thermal liner. Extension shall provide shielding to this interface area to reduce water entry and thermal gapping.

Sleeves shall be of one-piece construction. Two- piece sleeves are not acceptable. Pieced in underarm gussets are not acceptable. Sleeves shall be full cut with hydraulic butterfly patterning with 85 degree lift release to minimize coat hem rise. Sleeves shall allow a full 360 degree freedom of movement without binding. Sleeves shall have material reinforcement sewn to the inside of the sleeve where the tabbed snaps attach to the thermal liner/moisture barrier to prevent abrasion from the snaps at this point. Or have an additional covering over the tabbed snap to prevent direct contact of the snap with the outer shell material. Bidders must include this in their bid. Exceptions are not acceptable. This shall also apply to the turnout pants at the pant leg cuff and the turnout coat at the collar.

One additional layer of breathable fiber based thermal liner padding will be provided in the elbow area, internally reinforced. Neoprene or other moisture barrier material layer shall not be acceptable as additional padding in the elbow area.

Wristlet External: External Wristlet: each sleeve shall have a 2.5" (6.4) cm long 100% Nomex knit outer wristlet, which shall be mounted to the end of each outer shell sleeve to prevent liquid and debris movement up the sleeve between the outer shell and the moisture barrier/ thermal liner assembly.

Waterwell and Internal Wristlet: A 100% Nomex knit inner wristlet protected by a flame and moisture resistant water well must be featured on every garment. Inner wristlet shall be sewn to the thermal liner sleeve end and not the outer shell. A specified moisture barrier water well with an elastic gather shall be sewn to the moisture barrier sleeve end with all seams sealed to allow maximum channeling of water away from inside the moisture barrier/ thermal liner sleeve end and pass the whole garment water tight integrity test. The thermal liner/wristlet shall be bar tacked and seam sealed at the junction of the moisture barrier sleeve to water well seam to prevent liner pull out. This inner water well assemble shall be interface capable with the appropriate glove to provide wrist protection during the liquid tight integrity test. The inner wristlet shall provide a thumblet loop by means of a Nomex tabbing material bar tacked at each end approximately 2" apart at the cuff opening.

**SECTION ONE
SPECIFICATIONS**

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

Sleeve length: when reach measured from cuff to cuff, with coat lying flat, and standard length sleeves extended to each side, shall be provided as detailed below.

<u>Chest Size</u>	<u>Standard Reach</u>
40"	66 in.
42"	67 in.
44"	68 in.
46"	69in.
48"	70in.

1.3.9.3 COAT CONSTRUCTION: The degree of slope on the shoulders shall be no more than 20%.

1.3.9.4 SHOULDER DEAD AIR SPACE: A system for ensuring a dead air space in the shoulder area from the collar attachment point outward to the shoulder sleeve seam area shall be incorporated into the coat. See dead air space system requirement in sleeve section.

1.3.9.5 COLLAR: The collar shall be constructed of no less than four (4) layers of material which shall include at least one (1) layer of moisture barrier materials and one layer of NFPA insulating material sandwiched between two layers of outer shell material. The collar shall be at least 4 inches high. There shall be no seams in the collar. The collar should be contoured for a natural fit.

The collar shall have no vertical or horizontal seams or stitching in the body of the collar, Left outside of collar to have a sewn piece of 3"x 5" Velcro hook and loop fastener to insure maximum adjustability when engaging chinstrap /collar closure. Collar shall have an additional attachment by means of a glove snap that penetrates only a single layer of the outer shell material of the collar, with additional material reinforced to cover the tabbed snap so the possibility of contact/heat transfer at the wearer's neckline is completely eliminated. Snap shall attach to the chinstrap to confirm closure. Bidders must include verification that the glove snap is included in their bid. There shall be no exceptions to this. Each collar will be graded for individual coat sizes.

1.3.9.6 CHINSTRAP: The chinstrap shall be of four layer construction consisting of at least one layer of moisture barrier material and a layer of approved NFPA material sandwiched between two layers of outer shell material. The chinstrap will be at least nine inches long at the top twelve inches long at the bottom hem and five inches high at the center and contoured for a natural fit. The chinstrap will be sewn to the right side of the collar and have a Velcro (hook and loop fastener) attachment on the left side. A Velcro (hook and loop fastener) storage system will be provided on the right side of the collar. Chinstrap shall have an additional attachment by means of a glove snap that penetrates only the inside most outer shell material of the chinstrap to attach

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

to the outer shell material of the coat collar to confirm closure and confirm that the wearer's neckline is completely protected. Bidders must include verification that the glove snap is included in their bid. There shall be no exceptions to this. There shall be a knit middle upper section to provide comfort at the throat area.

1.3.9.7 LINER ATTACHMENT: The moisture barrier and thermal liner are to be sewn together and be attached at the neck to the outer shell by four snaps, to the outer shell front facing on each side by four snaps and at the end of each sleeve by two snaps on Nomex tabbing. To provide continuous moisture/bloodborne protection at the front, the liner shall be positioned so it is sandwiched between an outer facing breathable pathogen shield and inside facing. The use of Velcro or zippers is not allowed. To provide continuous moisture / bloodborne pathogen protection at the neck, the liner shall be positioned so it is sandwiched between an outer facing pathogen shield, and inside facing of the specified outer shell material folded over and both sewn in at the neck seam.

Attachment shall be by means of four glove snaps that penetrate only the outside layer of the innermost facing so that metal contact at the wearer's neckline is completely eliminated.

1.3.9.8 DRAG RESCUE DEVICE: Manufacture shall supply each coat with a Kevlar Rescue Strap system designed to fit each individual chest size. Each strap is to be properly labeled with Danger Labels that include what chest size the Rescue Strap is designed to fit along with instructions for care installation/removal of the Rescue Strap. Rescue Strap will be designed in a fashion that it functionally provides a dynamic and articulated action and to eliminate excess strapping material from hanging down the back when installed between the garment's liner and outer shell.

The device shall be constructed using two components: a 1.75" Kevlar webbing grab handle; and a free floating loop of Kevlar rope to go around each of the wearer's arm and shoulder. The Kevlar webbing grab handle shall be sized with the center of the loop positioned at the rear of the upper torso and through the grab handle. The grab loop shall extend upward and pass through a reinforced slot in the coat outer shell just below the center rear of the collar seam where it will exit the outer shell where it will be covered by an outer shell tunnel. The protruding grab loop shall then fold back down over the top of the tunnel and secure in place by Velcro with the pile sewn for the width of the tunnel and the hook sewn on the grab loop. There shall then be an outer shell flap sewn below the collar that will fold down over the stored grab loop and held in place with Velcro.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

Handle shall be constructed of soft and pliable Kevlar webbing meeting the following specifications:

Description 100% Kevlar Double Plain Weave - Black with Natural Kevlar Center
Warp Yarn 1500/1000/2.75z Kevlar T-970F Black
1500/1000/2.75z Kevlar T-961 Natural
Weft Yarn 1500/1000/2.75z Kevlar T-970F Black
Catchcord Tex 50 3 Ply/9.5z Bonded Kevlar Sewing Thread Black
Width 1.75"

Thickness 0.064" +/- 0.010"

Tensile 5,000 lb minimum

The free floating loop shall be constructed of soft and pliable Kevlar rope meeting the following specifications:

Description 100% Kevlar Tubular Plain Weave - Natural
Warp Yarn 1500/1000/2.75z Kevlar T-961 Natural
Weft Yarn 1500/1000/2.75z Kevlar T-961 Natural
Catchcord Tex 35 Craqspun Kevlar thread
Width .038"

Thickness 0.144" +/- 0.005"

Tensile 3500 lb minimum

Rescue Strap shall be sewn with Kevlar thread with a minimum size of Tex 210

1.3.9.9 LINER SLEEVES: Shall be attached at the cuff to the outer layer by means of two tabbed glove snaps on two sets of Nomex tabbing strips per cuff. All other requirements per NFPA standard 1971/1997 edition will apply.

1.3.9.10 STORM SHIELD/CLOSURE SYSTEM: A storm shield constructed in the Chicago Closure style will be used. This will incorporate a double thickness of outer shell material 7" wide. This shall be mounted on the exterior of the garment and secured in position with 2" Velcro hook and loop type fastener. Closure shall be provided by four (4) hook and dees which shall be completely covered by the storm flap. The storm flap shall be attached to the coat with stitching on the left side as worn, with Velcro closure on the right side as worn.

1.3.9.11 POCKETS: One radio pocket shall be provided, 8" high x 3" wide x 1.5" deep. Securely sewn to the left side of the chest area as worn; constructed of one layer of outer shell material and lined with moisture barrier material. This pocket will be located approximately 10" down from the centerline of shoulder, as close to the storm flap as possible. Dimensions are 3" wide, 2" deep, and 9" long, with a flap secured with hook and loop closure and notched for antenna on side toward storm flap. There shall be two pockets on the front of the coat, one on each side of the closure system at the waist. They shall be bellows style, half height 6" high x 9" wide x 1.5" deep. Pocket shall be mounted with the base at the hem level with trim across bottom. Both

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

bellows pockets will be lined with Para-aramid 8 oz twill flaps and shall close with 3 strips of 1.5" Velcro hook on the entire top outer edge of the pocket.

1.3.9.12 FLASHLIGHT/GLOVE HOOK: There shall be a large hook, facing downward, placed directly over the right side bellows pocket, as close to the stormshield as possible.

1.3.9.13 LABEL LINER POCKET: the liner label shall be incorporated into a pocket design located on the right inside liner panel.

1.3.9.14 REFLECTIVE TRIM: The reflective trim shall consist of 3" Scotchlite two-tone, (9787) high temp material, lime in color, arranged in the Project Fires placement pattern, consisting of one three inch band around each arm and one 3 inch band on the upper torso around the front and back of the coat. One three inch band shall be completely around the coat above the hem. In addition a 3" band of matching trim material shall be sewn into the hem of the coat at the rear. Pants are to have one 3" band of matching trim around each leg at the lower calf area.

Reflective trim at the cuffs of sleeves and pants are not to be incorporated into the major A and B seams of the garment. They are to stop a minimum of ½ inch from the seam on the medial aspect of the legs and the lateral aspect of the arms. All reflective trim will be stitched with two rows of stitching.

1.3.9.15 MICROPHONE TAB: There shall be a microphone tab located on the left front chest with the outer edge adjacent to the sleeve seam and 1" below the shoulder seam.

1.3.9.16 COAT LENGTH: The coat shall be designed so that it does not interfere with the natural flexing of the wearer's leg when walking, running or climbing. The coat must at all times provide of at least 3" of overlap when reaching or flexing side to side with the wearer's hands extended overhead, as specified in NFPA 1500. It is desired that the coat be 29" in front and 35" rear for short torso firefighters UP TO SIZE 44 CHEST. The length shall be 31" front/ 37" back for sizes 46 chest and above. The size may be custom tailored for longer bodied firefighters. The coat may be longer in back to prevent exposure above the waist when bending or reaching.

1.4 TURNOUT PANT:

It is the desire of the City of Glendale, Arizona, Fire Department that the pants be manufactured by the same provider as the coat, to insure consistency, and to avoid liability and interface problems.

1.4.1 SPECIFICATION REQUIREMENTS: All the specification from the turnout coat starting with section 1.3.1 UL Certification through Section 1.3.8.12 Sample/Field Testing, shall also apply to the requirements for the turnout pants. **Exceptions are not acceptable.**

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.4.2. PANTS CONSTRUCTION:

1.4.2.1 OUTER SHELL: The outer shell shall be of the same material as the coat outer shell. **No exceptions. Outer shell pant legs shall have material reinforcement sewn to the inside of the pant leg where the tabbed snaps attach to the thermal liner/moisture barrier to prevent abrasion from the snaps at this point. Or have an additional covering over the tabbed snap to prevent direct contact of the snap with the outer shell material. Bidders must include this in their bid, exceptions are not acceptable.**

1.4.2.2 MOISTURE BARRIER: The moisture barrier shall be of the same general construction as the coat moisture barrier. **No exceptions.**

1.4.2.3 THERMAL LINING: The thermal liner will be of the same general construction as the coat thermal lining. Additionally, the moisture barrier and thermal liner shall be attached to the outer shell at the cuff by two heavy duty snaps attached to Nomex webbing assemblies per leg at the seams inner and outer. The thermal liner and moisture barrier shall be attached at the waist with a minimum of eight heavy duty snaps to the outer shell so that it may not droop, fall down or present a problem while donning. The liner will attach in a manner so as not to allow debris from entering the area between the outer shell and the thermal liner assembly.

An inspection port shall be provided at the upper hem of the pants liners secured together with Velcro hook and loop fastener material to allow the liners to be turned completely inside out for a detailed inspection of moisture barrier membrane, without unstitching the liners.

The liner shall be completely removable from the pants.

The liner shall be internally reinforced at the knee with a separate piece of breathable, high temperature, fiber based thermal liner material.

1.4.2.4 PATTERNING: Garments shall feature a four (4) piece tailored outer shell with a two (2) piece moisture barrier and thermal lining.

The pants shall incorporate a "u" shaped oversized diamond-shaped crotch insert, graded according to size, for maximum action stride, optimum stepping reach and no "in-crotch" seaming. No seams are to be in the centerline crotch area. Just above each knee the diamond shall reduce in size to approximately two-inches in width and then extend as a band to both the left and right pant cuff.

Legs of the pants must be able to easily slide over the tops of a 14" stovepipe top type turnout boots without hanging up when doffing or causing the boot top to crush in appearance when stowed.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

Cuff of the pants and lower leg area should not be so tight as to creep up the boot and not fall back to the normal "natural" position when crawling or squatting.

1.4.2.5 FLY CONSTRUCTION: The outer shell fly shall be locked stitched to the left side of the front opening and be in proportion to waist size and crotch rise in both length and width. Fly inner lining shall extend at least 2" to the left of the outer shell fly attachment seam and shall contain both moisture barrier and thermal liner layers. The fly flap shall have attached a "D" fastener that shall mate to a reversed hook securely riveted to the outer shell material waistband. These fasteners shall be reinforced on the backside with needle punched coated Nomex material. **Leather is not acceptable.**

Diagonal portion of the fly is to be secured with 2" wide Velcro hook and loop material fastener. The fly is to be 5' wide at the waist

1.4.2.6 KNEE PADDING/THERMAL LAYERING: The manufacturer shall provide an additional knee pad with enhanced thermal layering to protect the firefighter from objects while crawling and to provide enhanced TPP, in the knee area. The removable knee padding shall consist of a flexible design. These pads will be a minimum of 10"x12" in size and be attached to the outer shell of the pant by a PBI rectangular frame using Velcro hook and loop fastener and heavy duty snaps at the four corners of the pad. The pad should be attached in a manner as to disallow any foreign material from entering behind the knee pad. The knee pad WILL be attached immediately below the pocket base so as to allow the knee to be placed in the middle of the pad. The knee pad may be made of blue or black advance in lieu of matching outer shell material as long as it is the same weight. **Leather is not acceptable.**

Additionally an extra layer of thermal lining is required in the knee area to provide a greater TPP rating in this area. This will be encompassed in the thermal liner/moisture barrier assembly.

1.4.2.7 POCKETS: Pants shall be provided with two bellows cargo pockets, fully lined with moisture barrier material. Dimensions are 10" (space) wide, and 10" high and a 2" expansion bellows. Pockets shall be lined with 8oz para-aramid twill. Closure shall consist of hook and loop material, with full 1.5" Velcro hook fastener across the entire length of the top outside edge of the pocket with three vertical stripes on pocket flap of 1.5" Velcro loop fastener, pile Brass drainage grommets shall be provided in pocket bottom.

1.4.2.8 TAKE UP STRAPS: Two fully adjustable take up straps shall be provided on the sides of the waistband to properly and quickly adjust the waist for a snug fit. These straps shall be constructed of multiple layers of outer shell material and shall have a spring loaded postman's slide fastening device to insure a non-slip fit. **Plastic fasteners are not acceptable. Leather take up straps are not acceptable.**

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.4.2.9 LEG HEM FINISHING: The bottom of each leg hem cuff shall be provided with an additional layer of outer shell material for 1" on inside and outside the circumference of the cuff and double stitched to reduce rip out and abrasion. **No exception.** Additionally the rear portion will be cut to have a 1 ½" rise at the back of the cuff to prevent unnecessary wear due to the wearer dragging or walking on the cuff.

1.4.2.10 DESIGN: The pants shall be of traditional waist high construction as described in the Project Fires final report. **Bib style or high back waist or enhanced waist pants are not acceptable. No exceptions.**

1.4.2.11 SIZING: Pants are to be available on a custom order size basis in one (1) inch waist increments and inseam lengths. **Small, medium, large, or short, regular or tall sizing is not acceptable.**

Women's pants are to be made on women's patterns not on modified men's patterns.

1.4.2.12 LINER LABEL: Shall be configured in a manner as to act as a pocket.

1.4.2.13 SUSPENDER BUTTONS: Eight heavy duty suspender buttons shall be positioned around the waist and shall be set through a waist band constructed of triple layer outer shell material that is internally reinforced with a ¾" wide band of coated needle punched Aramid material.

1.4.2.14 SUSPENDERS: Suspenders are not to be included in bidding of the pants.

1.5 STRUCTURAL FIREFIGHTING GLOVES

1.5.1 GENERAL CONSTRUCTION: This specification details minimum requirements for materials, design and construction features to be incorporated in structural fire fighting gloves. Hereafter referred to as, glove. Each manufacturer must carefully read these specifications and respond to any and all requests for compliance. Failure to do so will be the cause for rejection of the bid.

The glove shall be of Premium synthetic leather, nylon spandex, and high flexibility molded rubber. The liner must remain intact and is guaranteed when doffing gloves. A completely sewn glove insert consisting of a Kovenex inner lining bonded to a Polyurethane moisture barrier membrane to form the liner. All seams will be welded (not glued). The gloves shall not have a wristlet, but shall be of a gauntlet style. Attached to the gauntlet must be a stretchable debris guard which conforms to the wrist and will not interfere with the coat wristlet when donned.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.5.1.2 SAMPLES/FIELD TESTING: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

1.5.2 CERTIFICATION: The manufacture MUST submit written verification of compliance of NFPA 1971 (2007 edition), with their bid.

1.5.3 LABELLING: A printed permanently attached label will be placed in the gloves, clearly stating NFPA standards 1971, 2007 edition certified.

1.5.4 WARRANTY: Manufacturer must provide at time of bid a written statement of warranty terms a Lifetime warranty against defects in workmanship and materials. Manufacturers must describe how they plan to provide warranty repairs during the warranty period. The successful bidder must be able to provide a local distributor with stock to support any warranty replacement needs should they arise. The awarded manufacturer shall perform any major repair work on a cost only basis and expedite same, within 15 working days, over the life of the contract. All warranty work will be on a no charge basis.

1.5.5 OUTERSHELL: Shall be constructed of Premium synthetic leather base, nylon spandex, and high flexibility molded rubber. Double stitched rubber protections, grip pads on fingertips and thumb. Knuckle protection shall afford non-binding full range of hand motion with double stitching. There shall be an anti-slash strip on the palm with an elastic snugger band sewn into the wrist of the glove, for self closure.

1.5.6 VAPOR BARRIER LINER: Shall be of Polyurethane material bonded to the glove liner insert to assure water tightness and liquid penetration of common chemicals. The inner lining and moisture barrier are to be secured by heat bonding and stitching at each finger. Gloves must pass the NFPA 1971 standards for water proofness after wash/dry cycles.

1.5.7 GLOVE INSERT: A thermal insert shall be made of Kovenex bonded to the vapor barrier of Polyurethane. The glove liner shall not detach with doffing and will be sewn to the fingers and cuff of the glove.

1.5.8 GAUNTLET CUFF: The gauntlet cuff shall be of a continuous integral part of the glove and will extend a minimum of 2.5 inches past the base of the thumb so as to interface well with the water well cuffs on the turnout coat. The gauntlet cuff shall be of a diameter sufficient to allow easy donning of the glove without binding.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.5.9 PULL TABS AND HANGER LOOP: A pull tab consisting of a minimum of ¼" wide leather shall be permanently attached with thread to the inner aspect of the cuff at the inside (palm side) liner /outershell interface. The pull tab and hanger loop may be the same item. The pull tab hanger loop must have an inside diameter of at least 1 ¼".

1.5.10 STITCHING: Shall be standard of the industry to include lock stitched Kevlar thread 30/5, 8-10 stitches per inch.

1.5.11 PROTECTIVE WELTS: Heavy weight fire retardant treated, heat resistive leather will shall be used to welt the entire thumb and forchette seams to protect threads from damage and abrasion.

1.5.12 SIZING: Sizing shall be available in XS, S, M, L, XL, XXL, XXXL

1.6 STRUCTURAL FIREFIGHTING HOODS

1.6.1 GENERAL CONSTRUCTION: This specification details minimum requirements for materials, design and construction features to be incorporated in structural fire fighting hoods. Hereafter referred to as, hood. Each manufacturer must carefully read these specifications and respond to any and all requests for compliance. **Failure to do so will be the cause for rejection of the bid.**

The design of the hood shall be of a double layer thermal knit hood section and a double layer bib section consisting of 65% Oxidized Polyacrylonitrile and 35% artificial tri-blend. Measurements shall be consistent with NFPA 1971, 2007 edition. Drapes shall be 8" the back, 8" the front. Length from top of head to neck shall be 13", back seam to top of face shall be 9", and back seam to bottom of head shall be 11". Overall hood length from the top of head to bottom of apron shall be 21". All the seams along the head and face shall be flat felled. The face opening must stretch to a full 15". The face opening at rest shall be 5.0" (+0.0"/-1.0) and shall remain within tolerance after 100 consecutive donnings and doffings. The bib shall be notched shoulder with a squared in front and back to lay flat against chest and back. All stress points shall be bar-tacked.

1.6.2 SAMPLES/FIELD TESTING: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

1.6.3 CERTIFICATION: The manufacture MUST submit written verification of compliance of NFPA 1971 (2007 edition), with the bid.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.6.4 LABELLING: A printed permanently attached label will be placed in the hood, clearly stating NFPA standards 1971, 2007 edition certified.

1.6.5 WARRANTY: Manufacturer must provide at time of bid a written statement of warranty terms. A Lifetime warranty against defects in workmanship and materials must be provided. Manufacturers must describe how they plan to provide warranty repairs during the warranty period. The successful bidder must be able to provide a local distributor with stock to support any warranty replacement needs should they arise. The awarded manufacturer shall perform any major repair work on a cost only basis and expedite same, within 15 working days, over the life of the contract. All warranty work will be on a no charge basis.

1.6.6 MATERIAL: The overall construction of the hood shall be manufactured with a fabric of 65% Oxidized Polyacrylonitrile and 35% artificial tri-blend.

1.6.7 STITCHING: All seams shall be sewn with 100% Nomex thread with a merrow stitch and a top and bottom cover with a 5 thread cover stitch for durability. Flatlock safety stitch or flat felled seam is used for both durability and a comfortable flat "butt" seam..

1.7 STRUCTURAL FIREFIGHTING BOOTS

1.7.1 SAMPLES/FIELD TESTING: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

1.7.2 UNDERWRITERS LABORATORIES CERTIFICATIONS: Each bid shall include complete Underwriters Laboratories (UL) certification documents for the manufacture, on the materials and seam strength tests on all items proposed. In addition, UL documents shall be supplied certifying all fabrics proposed. A current copy of the manufacturer's UL certification, covering the standard must accompany the bid. **There shall be no exception to this requirement.**

1.7.3 LABELLING: A U.L. Label shall be permanently attached by sewing to the inner liner of the boot in a readily visible portion of the boot. This label shall state that the boot meets all requirements set forth in the General Instructions for Compliance.

1.7.4 WARRANTY AND MANUFACTURER: Manufacturer must provide at time of bid a written statement of warranty terms and a lifetime warranty against defects in workmanship and materials must be provided. Manufacturer shall state with their bid the duration of the warranty

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

period for structural firefighting boots. Manufacturers must describe how they plan to provide warranty repairs during the warranty period. The successful bidder must be able to provide a local distributor with stock to support any warranty replacement needs should that arise. The awarded manufacturer shall perform any major repair work on damaged boots on a cost only basis and expedite same, within 15 working days, over the life of the contract. All warranty work shall be provided on a no charge basis.

1.7.5 DELIVERY REQUIREMENTS: The awarded bidder shall commence shipments F.O.B. the City of Glendale, Fire Department within six (6) weeks after receipt of order. Reorders shall be processed within a similar time frame. For emergencies defined by the department as contamination, new hire firefighter trainee classes and excessive number of emergency related damages the awarded manufacturer shall agree to provide at no extra cost, delivery within ten (10) days.

1.7.6 SIZING: Full and half sizes in the following sizes and widths are to be available.

C widths	8-13
D widths	4-15
E widths	4-15
3E widths	5-16
4E widths	5-16
5E widths	8-16

Boot fit shall be true to size, not requiring up sizing due to inserts. If up sizing is required due to incorrect last modeling or addition of required inserts, there shall be no up charge for 4E widths. Additional width of 5E shall be available as a special order boot with no longer than a six week date of delivery.

1.7.7 BOOT DESCRIPTION, GENERAL: A black 14" high pull-on style of boot with an abrasion resistant rubber that covers the frontal toe area and incorporates three horizontal bumper cleats, all leather vamp, sloped side seam with one piece back stay and pull-tab, water repellent, polishable leather safety boot, a safety toe and electrical hazard rated sole, with a bottom penetration resistance barrier.

1.7.8 UPPER FEATURES: Upper quarter and extended side panels of black dyed 7 ½ oz per yard NOMEX 1 KEVLAR blend weave fabric. The boot is also acceptable with all leather upper.

1.7.9 SAFETY TOE: A.062 Austempered steel oblique shaped toe, treated with zinc phosphate and rust preventative.

1.7.10 SHANK: A 19 gage Austempered steel, treated with zinc phosphate and rust preventative.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.7.11 PUNCTURE RESISTANT BOTTOM PLATE: A .017"-.02" stainless flex steel sized to allow maximum bottom puncture resistance protection within insole channel.

1.7.12 INSOLE: 4 iron Texon material with 1/8" full cushion non-bottoming material and an all around tape channel.

1.7.13 INSOLE CAVITY FILLER: Ground cork compound.

1.7.14 MIDSOLE: Full length 4 iron black neoprene material.

1.7.15 SOLE AND HEEL BLOCKER: Vibram Matayur lug abrasion resistant non marking sole, oil and chemical resistant synthetic rubber compound with self cleaning angled grooves and lugs. A bevel breasted heel, with a ladderung notch in the shank area. The sole must be stitched to the midsole to prevent separation with replaceable sole.

1.7.16 WELT: Full wrap around Goodyear neoprene storm welt.

1.7.17 MOULDED HEEL COUNTER: Moisture resistant fiber material with additional leather support straps on top of heel counter.

1.7.18 INNER BOOTIE: A full height thermal cut resistant/ puncture resistant bootie of 100% Kevlar needle punched 7 ½ oz per sq. yd. Felt fabric. The bootie system will shall be comprised of a laminate of cambrelle 7 ½ oz Kevlar felt and Crosstech footwear fabric. There shall be a four piece base bootie with two piece upper panel. All seams to be sealed with Gore-Tex seam seal tape and butt stitched flat.

1.7.19 UPPER QUARTER TOP LINE: Shall be finished with leather, American top binding.

1.7.20 THREAD UPPERS: Minimally #69 nylon polyester heavy duty thread.

1.7.21 UPPER STITCHING: Singer locked stitched with a minimum of ten stitches per inch. All seams shall be seam sealed on the inside with a coating of seam sealant. Configuration: Single needle stitching can be used on a side binding and bootie quarter top pocket. Double needle stitching shall be used to attach quarters to vamp. All stress points are to be bar tacked with single needle stitch.

1.7.22 THREAD – WELT TO MIDSOLE: Minimally # 690 Bonded Nomex thread.

1.7.23 THREAD INSEAMING: Minimally # 690 Bonded Nomex thread (combining welt, upper leathers, Kevlar felt and heel counter to insole channel)

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.7.24 SOLE AND HEEL BLOCKER ADHESION: Nail-less installation high temperature adhesive shall be used to affix blocker to neoprene midsole.

1.7.25 TOE COVER: An abrasion resistant rubber compound with horizontal cleats silicone impregnated protective leather toe cover piece.

1.8 STRUCTURAL FIREFIGHTING SUSPENDERS

1.8.1 SAMPLES/FIELD TESTING: Samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

1.8.2 CERTIFICATION: The manufacture MUST submit written verification of compliance of NFPA 1971 (2007 edition), with the bid.

1.8.3 LABELLING: A printed permanently attached label shall be placed in the suspenders, clearly verifying NFPA standards 1971, 2007 edition.

1.8.4 WARRANTY: Manufacturer shall guarantee the suspenders free from any defect in material or workmanship for the life of the product, In addition, manufacturer shall guarantee for 1year from the date of Service, the suspenders should it wear out or be damaged during normal firefighting and or training activities. No part of the warranty applies to any suspenders damaged as a result of nature or negligence. The successful bidder must be able to provide a local distributor with stock to support any warranty replacement needs should they arise.

1.8.5 FASTENING TABS: The suspenders shall fasten onto the fire fighting by eight metal swing clips for button attachment. The elastic polypropylene webbing shall be a minimum of two inches wide when retracted and non-stretched and attached by Nomex Brand thread.

1.8.6 MATERIAL ELASTIC WEBBING: The elastic webbing shall be black or red in color. The elastic webbing shall be a minimum of two inches wide when retracted and non-stretched. The elastic webbing shall be a double faced construction of textured polyester with a minimum thickness of .125 inches. When force is released the elastic webbing shall return to it s original dimensions without any deformation.

1.8.7 CONSTRUCTION: The suspenders shall be adjustable at the front through quick-release tabs, metal tighten-up pulls, extra-large brass D-ring. The suspenders shall have an H-back design approximately 12" above the top of the turnout pants in back.

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.8.8 SIZING: The suspenders must be available in sizes that will fit firefighters from 5' tall to 7' tall. Multiple sizes are acceptable such as S,M,L,XL,XXL

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

If NOT Compliant, please be specific about what area is not in compliance and thoroughly explain the differences in a separate letter/memo as to why you chose to take an exception. A written explanation must be submitted referencing the specific paragraph number and adequately defining the exception submitted. Any pictures/digitals photos would also be preferred to show any of the exceptions.

COMPLY INFORMATION

	Check Response
1.2 <u>STRUCTURAL FIREFIGHTING HELMET</u>	
1.2.1 SAMPLE REQUEST COMPLIANT	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.2 CERTIFICATION INCLUDED	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3 COMPONENTS OF CONSTRUCTION	
1.2.3.1 OUTERSHELL	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.2 SUSPENSION SYSTEM	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.3 BRIM EDGE STRIM	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.4 HELMET HARDWARE AND THREAD REQUIREMENTS	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.5 HELMET HANGER LOOP AND BRACKET	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.6 FACE SHIELD MOUNTING BRACKETS	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.7 INTERNAL PROTECTION SYSTEM	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.8 SUSPENSION HEADBAND AND RETENTION SYSTEMS	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.9 EYE PROTECTION MOUNTING SYSTEM	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.10 REFLECTIVE TRIM	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.11 EAR COVERS/FLAPS	Yes <input type="checkbox"/> No <input type="checkbox"/>
1.2.3.12 WINTER LINER	Yes <input type="checkbox"/> No <input type="checkbox"/>

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

If NOT Compliant, please be specific about what area is not in compliance and thoroughly explain the differences in a separate letter/memo as to why you chose to take an exception. A written explanation must be submitted referencing the specific paragraph number and adequately defining the exception submitted. Any pictures/digitals photos would also be preferred to show any of the exceptions.

COMPLY INFORMATION

Check Response

1.2 STRUCTURAL FIREFIGHTING HELMET

1.2.1 SAMPLE REQUEST COMPLIANT

Yes No

1.2.2 CERTIFICATION INCLUDED

Yes No

1.2.3 COMPONENTS OF CONSTRUCTION

1.2.3.1 OUTERSHELL

Yes No

1.2.3.2 SUSPENSION SYSTEM

Yes No

1.2.3.3 BRIM EDGE STRIM

Yes No

1.2.3.4 HELMET HARDWARE AND THREAD REQUIREMENTS

Yes No

1.2.3.5 HELMET HANGER LOOP AND BRACKET

Yes No

1.2.3.6 FACE SHIELD MOUNTING BRACKETS

Yes No

1.2.3.7 INTERNAL PROTECTION SYSTEM

Yes No

1.2.3.8 SUSPENSION HEADBAND AND RETENTION SYSTEMS

Yes No

1.2.3.9 EYE PROTECTION MOUNTING SYSTEM

Yes No

1.2.3.10 REFLECTIVE TRIM

Yes No

1.2.3.11 EAR COVERS/FLAPS

Yes No

1.2.3.12 WINTER LINER

Yes No

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

- 1.2.3.13 CHINSTRAP Yes No
- 1.2.3.14 WARRANTY Yes No
- 1.3 TURNOUT COAT
- 1.3.1 UNDERWRITERS LABORATORIES CERTIFICATIONS Yes No
- 1.3.2 LABELING Yes No
- 1.3.3 WARRANTY FROM MANUFACTURER Yes No
- 1.3.4 LIABILITY REQUIREMENTS Yes No
- 1.3.5 DELIVERY REQUIREMENTS / OVER SIZING UP CHARGES Yes No
- 1.3.6 CLEANING INSTRUCTIONS Yes No
- 1.3.7 TRACEABILITY Yes No
- 1.3.8 MATERIALS REQUIREMENTS
- 1.3.8.1 THREAD Yes No
- 1.3.8.2 STITCH METHODS Yes No
- 1.3.8.3 MATERIALS FOR COAT AND PANTS Yes No
- 1.3.8.4 OUTER SHELL MATERIAL Yes No
- 1.3.8.5 MOSITURE BARRIER MATERIAL Yes No
- 1.3.8.6 THERMAL LINER Yes No
- 1.3.8.7 PRECLUSION OF PVC FOAM OR SIMILAR FOAM Yes No
- 1.3.8.8 BREATHABILITY REQUIREMENTS Yes No
- 1.3.8.9 HIGH TEMPERATURE NFPA 1971 CERTIFIED MATERIAL REQUIREMENTS Yes No

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

- | | |
|--|---|
| 1.3.8.10 FLAMMABILITY OF CONSTITUTE MATERIAL | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.8.11 SELF-BINDING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.8.12 SAMPLE REQUEST COMPLIANT | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9 COAT CONSTRUCTION REQUIREMENTS | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.1 PATTERNING REQUIREMENTS COAT | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.2 SLEEVES | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.3 COAT CONSTRUCTION | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.4 SHOULDER DEAD AIR SPACE | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.5 COLLAR | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.6 CHINSTRAP | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.7 LINER ATTACHMENT | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.8 DRAG RESCUE DEVICE | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.9 LINER SLEEVES | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.10 STORM SHIELD/CLOSURE SYSTEM | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.11 POCKETS | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.12 FLASHLIGHT/GLOVE HOOK | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.13 LABEL LINER POCKET | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.14 REFLECTIVE TRIM | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.15 MICROPHONE TAB | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.3.9.16 COAT LENGTH | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.4 TURNOUT PANTS

1.4.1 SPECIFICATION REQUIREMENTS MATCH 1.3.1 – 1.3.8.12 Yes No

1.4.1A CERTIFICATION INCLUDED Yes No

1.4.1B WARRANTY Yes No

1.4.1C SAMPLE REQUEST COMPLIANT Yes No

1.4.2 PANTS CONSTRUCTION

1.4.2.1 OUTER SHELL Yes No

1.4.2.2 MOISTURE BARRIER Yes No

1.4.2.3 THERMAL LINING Yes No

1.4.2.4 PATTERNING Yes No

1.4.2.5 FLY CONSTRUCTION Yes No

1.4.2.6 KNEE PADDING/THERMAL LAYERING Yes No

1.4.2.7 POCKETS Yes No

1.4.2.8 TAKE UP STRAPS Yes No

1.4.2.9 LEG HEM FINISHING Yes No

1.4.2.10 DESIGN Yes No

1.4.2.11 SIZING Yes No

1.4.2.12 LINER LABEL Yes No

1.4.2.13 SUSPENDER BUTTONS Yes No

1.4.2.14 SUSPENDERS Yes No

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

1.5 STRUCTURAL FIREFIGHTING GLOVES

1.5.1 GENERAL CONSTRUCTION Yes No

1.5.1.2 SAMPLE REQUEST COMPLIANT Yes No

1.5.2 CERTIFICATION INCLUDED Yes No

1.5.3 LABELLING Yes No

1.5.4 WARRANTY Yes No

1.5.5 OUTERSHELL Yes No

1.5.6 VAPOR BARRIER LINER Yes No

1.5.7 GLOVE INSERT Yes No

1.5.8 GAUNTLET CUFF Yes No

1.5.9 PULL TABS AND HANGER LOOP Yes No

1.5.10 STITCHING Yes No

1.5.11 PROTECTIVE WELTS Yes No

1.5.12 SIZING Yes No

1.6 STRUCTURAL FIREFIGHTING HOODS

1.6.1 GENERAL CONSTRUCTION Yes No

1.6.2 SAMPLE REQUEST COMPLIANT Yes No

1.6.3 CERTIFICATION INCLUDED Yes No

1.6.4 LABELLING Yes No

1.6.5 WARRANTY Yes No

1.6.6 MATERIAL Yes No

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

- 1.6.7 STITCHING Yes No
- 1.7 STRUCTURAL FIREFIGHTING BOOTS
- 1.7.1 SAMPLE REQUEST COMPLIANT Yes No
- 1.7.2 UNDERWRITERS LABATORIES CERTIFICATIONS Yes No
- 1.7.3 LABELLING Yes No
- 1.7.4 WARRANTY Yes No
- 1.7.5 DELIVERY REQUIREMENTS Yes No
- 1.7.6 SIZING Yes No
- 1.7.7 BOOT DESCRIPTION, GENERAL Yes No
- 1.7.8 UPPER FEATURES Yes No
- 1.7.9 SAFETY TOE Yes No
- 1.7.10 SHANK Yes No
- 1.7.11 PUNCTURE RESISTANT BOTTOM PLATE Yes No
- 1.7.12 INSOLE Yes No
- 1.7.13 INSOLE CAVITY FILLER Yes No
- 1.7.14 MIDSOLE Yes No
- 1.7.15 SOLE AND HEEL BLOCKER Yes No
- 1.7.16 WELT Yes No
- 1.7.17 MOULDED HEEL COUNTER Yes No
- 1.7.18 INNER BOOTIE Yes No
- 1.7.19 UPPER QUARTER TOP LINE Yes No

SECTION ONE
SPECIFICATIONS

CITY OF GLENDALE
Materials Management
Solicitation Number: IFB 11-25
Firefighter Turnout Gear

- | | |
|--|---|
| 1.7.20 THREAD UPPERS | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.7.21 UPPER STICHING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.7.22 THREAD – WELT TO MIDSOLE | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.7.23 THERAD INSEAMING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.7.24 SOLE AND HEEL BLOCKER ADHESION | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.7.25 TOE COVER | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8 <u>STRUCTURAL FIREFIGHTING SUSPENDERS</u> | |
| 1.8.1 SAMPLE REQUEST COMPLIANT | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.2 CERTIFICATION INCLUDED | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.3 LABELING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.4 WARRANTY | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.5 FASTENING TABS | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.6 MATERIAL ELASTIC WEBBING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.7 CONSTRUCTION | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 1.8.8 SIZING | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

SECTION TWO
SPECIAL TERMS AND CONDITIONS

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

2.1 INCORPORATION BY REFERENCE: All responses shall incorporate by reference the Scope/Specifications, Terms and Conditions, General Instructions and conditions, and any attachments. The "General Instructions and Conditions" (Revision #1) applicable to this solicitation are posted on the Internet. They are available for review and download at the City of Glendale's, Materials Management Internet home page, www.glendaleaz.com/purchasing. Offerors are advised to review all provisions of the General Instructions and Conditions for this solicitation.

2.2 RETURN OF OFFER: One CD-ROM containing the entire solicitation, contractor's response to solicitation (Offer) and an originally signed "Offer Sheet" (Section 3.0). With exception to the signed Offer Sheet and a copy of the Price Sheet, no Paper documents will be accepted. Response to the solicitation shall be in MS Word, Excel, Powerpoint and/or PDF format. Offers submitted in a format (paper or electronic) different than specified herein, may be rejected at the discretion of the City. If the offeror does not have this capability, companies such as Kinkos or Alphagraphics can provide this service at a nominal charge.

The offeror shall complete all sections of the solicitation in the format given (ie Offer Sheet, Price Sheet, Questionnaires) in the space provided. If additional space is needed than what is given, enter "See Attachment A for detail".

Submittal of the CD-ROM by the offeror in response to this solicitation shall be construed as the offeror's intent to be bound by any resultant contract.

2.3 PREPARATION OF BID PACKAGE: Only the following items shall be completed and returned. Failure to include all the items may result in a bid being rejected. Bid packages shall be submitted in the following order:

2.3.1 OFFER SHEET, Section Three

2.3.2 PRICE SHEET, Section Four

2.3.3 ADDENDUM, Return all addenda

2.3.4 SPECIFICATIONS, Information requested in Section One and Two (pay particular attention to clauses 1.3.1, 1.3.3, 1.3.9.1, 1.4.1, 1.5.4, 1.6.5, 1.7.4, 1.8.4, 2.9)

2.3.5 NFPA 1971 (2007 edition) CERTIFICATIONS, All items offered per Sections 1.2.2, 1.5.2, 1.6.3, 1.8.2

SECTION TWO
SPECIAL TERMS AND CONDITIONS

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

2.4 ALTERNATE OFFERS/EXCEPTIONS: Offers submitted as alternates, or on the basis of exceptions to specific conditions of purchase and/or required specifications, must be submitted as an attachment referencing the specific paragraph number(s) and adequately defining the alternate or exception submitted. Detailed product brochures and/or technical literature, suitable for evaluation, must be submitted with the bid. It is preferred that any alternate offers be submitted in a separate envelope as a separate offer and not submitted as combined with your original offer. If no exceptions are taken, City will expect and require complete compliance with the specifications and all Conditions of Purchase.

2.5 PRICE: All prices quoted shall be firm and fixed for the specified contract period.

2.6 FOB POINT: Prices quoted shall be FOB destination to CITY OF GLENDALE, ARIZONA.

2.7 TERM OF AGREEMENT: The term of agreement for this Bid shall be for a one year initial period.

2.8 OPTION TO EXTEND The City may, at its option and with the approval of the contractor, extend the term of this agreement an additional five (5) year(s), renewable on an annual basis. Contractor shall be notified in writing by the City Materials Manager of the City's intention to extend the contract period at least thirty (30) calendar days prior to the expiration of the original contract period. Price adjustments will only be reviewed during contract renewal.

2.9 EVALUATION LITERATURE: Bids submitted for products considered by the seller to be equal to or better than the brand names or manufacturer's catalog references specified herein, must be submitted with technical literature and/or detailed product brochures with written statements if the literature or brochure is not specific as to the specification for the City's use to evaluate the product(s) offered. Bids submitted without this product information may be considered as non-responsive and rejected.

2.10 COMPLY INFORMATION: The comply information requested in Section One, Specifications, is for evaluation of the materials or equipment to be supplied. Bidders must check the appropriate response. A "yes" reply shall indicate the item will be supplied as specified. A "no" reply shall indicate the item will not be supplied as specified. A written explanation must be submitted referencing the specific paragraph number and adequately defining the exception submitted. Product brochures and literature suitable for evaluation must also be submitted. Any pictures/digitals photos would also be preferred to show any of the exceptions. For evaluation, the City will assume that any line left blank and not completed will not be furnished as specified.

SECTION TWO
SPECIAL TERMS AND CONDITIONS

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

2.11 INVENTORY LEVELS: Bidder's inventory level of the item(s) offered will be a factor in the City's award decision. Contractor will be required to maintain sufficient local inventory to provide daily support of the City's requirements. Failure to supply said support may result in cancellation of the contract. Well established parts supply facilities are a basic requirement for equipment offered in response to this invitation for bid.

2.12 ESTIMATED QUANTITIES: Quantities listed are the City's best estimate and do not obligate the City to order or accept more than City's actual requirements during the period of this agreement as determined by actual needs and availability of appropriated funds. It is expressly understood and agreed that the resulting contract is to supply the City with its complete actual requirements for the contract period, except that the estimated quantity shown for each bid item shall not be exceeded by 100% without the express written approval of the Materials Manager. Any demand or order made by any employee or officer of the City, other than the Materials Manager, for quantities in the excess of the estimated quantities shall be void if the written approval of the Materials Manager was not received prior to the Contractor's performance.

2.13 SAMPLES: Upon request, samples MAY be requested by the City of Glendale Fire Department as part of the evaluation process. If samples are requested for fit, One (1) set will be required. If samples are requested for field testing, eight (8) samples will be required. The offeror shall supply the samples to the City of Glendale at no cost to the City and the samples shall become the property of the City of Glendale Fire Department and will not be returned.

2.14 NOTICE OF INTENT TO AWARD: Information about the recommended award for this solicitation will be posted on the Internet. The information will be available for review on the City of Glendale's, Materials Management Internet home page www.glendaleaz.com/purchasing immediately after the City has completed its evaluation process of the offers received. If you have any questions, or would like further information about an intended award, contact the buyer immediately. Any protest must be submitted to the Materials Manager no later than seven (7) calendar days from the date of posting on the Internet.

2.15 COOPERATIVE USE OF CONTRACT: This agreement may be extended for use by other governmental agencies and political subdivisions of the State including all members of SAVE (Strategic Alliance for Volume Expenditures). Any such usage by other entities must be in accord with the ordinances, charter, rules and regulations of the respective entity and the approval of the Contractor and City. For a list of SAVE members click on the following link: <http://www.maricopa.gov/materials/SAVE/SAVE-members.PDF>

2.16 NON-EXCLUSIVE CONTRACT: The resultant contract is non-exclusive and is for the sole convenience of the City. The City reserves the right to obtain similar goods and services from alternative sources if needed.

SECTION TWO
SPECIAL TERMS AND CONDITIONS

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

2.17 AWARD BY LINE ITEM/GROUP: The award will be made by line item with the exception of lines three (3) and four (4). Turnout Coats and Pants must be bid together and they will be awarded as one group otherwise an offeror does not have to bid on all of the line items to submit a bid.

SECTION THREE
OFFER SHEET

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

NOTE: In addition to completing this Section electronically and including it in the CD-ROM submittal, a printed version with original signature shall be submitted with CD-ROM at the time of Offer due date and time.

3.1 OFFER: Bidder certifies that they have read, understand, and will fully and faithfully comply with this solicitation, its attachments and any referenced documents. Bidder also certifies that the prices offered were independently developed without consultation with any of the other bidders or potential bidders.

<i>Kimberly J. Olson</i> Authorized Signature Kimberly J. Olson	Municipal Emergency Services, Inc. Company's Legal Name 2330 W. University Drive, Suite 10
Printed Name Operations Leader	Address Tempe, AZ 85281
Title 480-967-6100, Ext. 101	City, State & Zip Code 480-967-6101
Telephone Number <i>Kimberly J. Olson</i> kolson@mesfire.com	FAX Number kolson@mesfire.com
Authorized Signature E-mail Address	Company E-mail Address

For questions regarding this offer: (If different from above)

Contact Name _____ Phone Number _____ Fax Number _____

Contact Email Address _____

FEDERAL TAXPAYER ID NUMBER: 

Arizona Sales Tax No.  Tax Rate 9.3%

Bidder certifies it is a: Proprietorship _____ Partnership _____ Corporation X

Minority or woman owned business: Yes _____ No X

**SECTION FOUR
PRICE SHEET**

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

NOTE: In addition to completing this Section electronically and including it in the CD-ROM submittal, a printed version shall be submitted with CD-ROM at the time of Offer due date and time.

Company Name: Municipal Emergency Services, Inc.

4.1 PRICE

Item # 1 STRUCTURAL FIREFIGHTING HELMENT

QTY	Unit Price	Total Price
30	\$154.00	\$4,620.00
	Excluding Tax	Excluding Tax

Mfg./Model Honeywell First Responder Products/AZGLEN00116

Item # 2 EXTRA STRUCTURAL FIREFIGHTING HELMENT FACE SHIELDS

QTY	Unit Price	Total Price
100	\$36.00	\$3,600.00
	Excluding Tax	Excluding Tax

Mfg./Model Honeywell First Responder Products/HP-E110

Item # 3 TURNOUT COATS

QTY	Unit Price	Total Price
40	\$1,124.00	\$44,960.00
	Excluding Tax	Excluding Tax

Mfg./Model Honeywell First Responder Products/AZGLEN00114

Item # 4 TURNOUT PANTS

QTY	Unit Price	Total Price
40	\$792.00/pr	\$31,680.00
	Excluding Tax	Excluding Tax

Mfg./Model Honeywell First Responder Products/AZGLEN00115

Item # 5 STRUCTURAL FIREFIGHTING GLOVES

QTY	Unit Price	Total Price
144	\$56.00/pr	\$8,064.00
	Excluding Tax	Excluding Tax

Mfg./Model Fireman's Shield LLC, dba Dragon Fire Products/Alpha X

**SECTION FOUR
PRICE SHEET**

CITY OF GLENDALE
Materials Management

Solicitation Number: IFB 11-25
Firefighter Turnout Gear

Item # 6 STRUCTURAL FIREFIGHTING HOODS

QTY	Unit Price <u>\$30.00</u>	Total Price	<u>\$2,400.00</u>
80	Excluding Tax	Excluding Tax	

Mfg./Model Honeywell First Responder Products/HD-300-22887FNF

Item # 7 STRUCTURAL FIREFIGHTING BOOTS (14")

QTY	Unit Price <u>\$281.00/pr</u>	Total Price	<u>\$8,430.00</u>
30	Excluding Tax	Excluding Tax	

Mfg./Model Honeywell First Responder Products/BT9010

Item # 8 STRUCTURAL FIREFIGHTING SUSPENDERS

QTY	Unit Price <u>\$26.00/pr</u>	Total Price	<u>\$1,872.00</u>
72	Excluding Tax	Excluding Tax	

Mfg./Model Honeywell First Responder Products/SP-85

Subtotal \$ 105,626.00

(If applicable) Tax % 9.3 Tax Amount \$ 9,823.22

ITEMS 1-8 GRAND Total \$ 115,449.22

4.2 DELIVERY: Bidder states that all items will be delivered 1-40 calendar days after receipt of order.

4.3 PROCUREMENT CARD ORDERING CAPABILITY. Please check appropriate box.

YES, I will accept payment under this contract with the Procurement Card.

NO, I will not accept payment under this contract with the Procurement Card.

4.4 DISCOUNT/PAYMENT TERMS: The City standard is 2% 20 days.
Comply: YES NO

If your answer is NO, please state terms offered: Net 30