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**OFFICE OF THE MANAGER EMERGENCY MANAGEMENT SERVICES**

**TERMS OF REFERENCE**

**TENDER DESCRIPTION: SUPPLY AND DELIVERY OF OPERATIONAL UNIFORM (WORKING DRESS) AND PPE (BUNKER GEAR) FOR PUBLIC SAFETY (RESCUE AND FIRE SERVICES) FOR THE WEST RAND DISTRICT MUNICIPALITY**

**1. INTRODUCTION**

Bids are invited from suitably qualified Service providers to submit proposals for Supply and Delivery of Operational Uniform (Working Uniform) and PPE (Bunker Gear) for Public Safety Rescue and Fire Services for the West Rand District Municipality in line with the principles of the National Fire Protection Association (NFPA) 1971.

**2. DELIVERABLES /SPECIFICATION**

**OPERATIONAL UNIFORM**

**1. COMBAT / OPERATIONAL TROUSERS**

**1.1 Fronts**

Each front will have a pin tuck and reinforced at the knee with reflective.  
The right front will have a single field- dressing pocket with Velcro closure.

**1.2 Backs**

The backs have darts, pin tucked and reinforced across the full width of the back, with an outer material seat patch that extends from the top of the back to meet the knee patch at the side seam with reflective.

**1.3 Fly**

The fly will be a zip fly with a heavy-duty metal zip.

**1.4 Waistband**

The waistband will be cut on and will be lined with outer material that is so shaped as to fit the trouser top. There will be one buttonhole at the trouser centre front.

**1.5 Belt loops**

Each pair of trousers will have seven belt loops on trousers waistband. The loops will be 20mm wide, of double –folded outer material, boxed, turned, single stitches and secured at the following positions:

One of on each front, 100mm from edge of the fly, one at each side seam, two stitched to the back panels and one just on the centre back seam.

The loops shall neatly fit a 60 mm wide belt and be securely bar-tacked 5mm from the top of the waistband and at the bottom.

## **1.6 Pockets**

All pocket bags will be of outer material, will be double-stitched and securely stitched. The pocket will be as follows:

- a) Side pockets: side pockets will have vertical mouth opening of 17mm. On all trousers the top bar tack on the pocket mouth will be positioned 110mm below the top edge of the waistband.
- b) Hip pocket: the pocket will be a half-jetted pocket with a finished pocket bag of a finished length and width of 190mm. Both pockets shall have a double material flaps with a concealed button closure
- c) Field-dressing pocket: the pocket will be a patch pocket with square corners and will have a vertical 25mm deep knife pleat in the centre. The mouth of the pocket will have a hem of finished depth 25mm and will fasten with a Velcro patch of 25mm x 25mm. the finished pocket will have a width of 125mm and a depth of 130mm (outside dimension), and will be centrally positioned on the right front with its top edge in line with the top tack of the side pocket mouth, and the back edge 30mm from the side seam. The edges of the pocket will be stitched with one row of stitches 2mm from the turned-in edges.
- d) The back shall have a welt pocket with outer material, fitted with a button and button hole for closure.

## **1.7 Bottoms**

The bottoms will be plain, folded in and stitched down. The fold-in will be 25mm deep when finished.

## **1.8 Stitches, seams and stitching**

- a) General: all sewing will be according to S.A.B.S. 0101. And comply with the break strength of NFPA 1971.
- b) Stitches
  - Side and leg seam: stitch type 515 or 516 (S.A.B.S. 0101).
  - Over lock stitching: stitch type 502 or other acceptable stitch type (S.A.B.S. 0101)
  - Lap seams: stitch type 401 (S.A.B.S. 0101)
  - Other stitches: stitch type 301 (S.A.B.S. 0101)/

## **1.9 Reflective trims**

Retro-reflective fluorescent trims in accordance with the NFPA 1971 (2000) shall be fitted to the legs of the trousers.

All trims shall be 3M type 9487.

The trims shall be 50mm wide throughout.

All trims shall be double stitched.

The colour of the trims shall be lime-yellow with a silver strip in the centre.

## 1.10 Material

**Navy Blue Rip Stop [emergency services]  
Light Gray Chinos [disaster management]  
Light brown Chinos [social crime prevention]**

50%cotton and 50%poly VAT Dyed  
Warp is 30/2 combed 100%cotton  
Weft is 24/2cm poly%50/cotton50%  
Weave is 1/1 Rip stop  
Weight 230 grms approx.

## 1.11 Size Chart:

<b>TROUSER</b>			
<b>SIZE</b>	<b>WAIST</b>	<b>SEAT</b>	<b>Inside Leg</b>
28	14	48.5	80
30	15	51	80
32	16	53.5	81
34	17	56	82
36	18	58.5	82
38	19	61	82
40	20	63.5	82
42	21	66	83
44	22	68.5	83
46	23	71	82
48	24	73.5	82
52	26	78.5	82

## 2. COMBAT / OPERATIONAL SHIRTS (SHORT/LONG SLEEVE)

### 2.1 Fronts

The fronts will have 60mm wide facings that are cut-on and folded over. The left front will have six buttonholes and the right front will have six buttons. Each front will have a patch pocket with a flap. The inner edges of the facings will have been cut with selvage or will have been acceptably serged, they will not be stitched to the fronts, both fronts will have a pin tuck stitch on the centre. The sides and the hem will be straight.

### 2.2 Breast pockets

Each front will have a patch type breast pocket with blunted corners and a 25mm wide box pleat in the centre. The pocket mouth will have a hem of finished width 25mm, and the edges of the pocket will have been turned in 10mm and stitched down 2mm from the turned-in edge. Each end of the pocket mouth will be secured, over the full width of the hem, with a box tack. The finished pocket will be 130mm wide and 140mm deep, on larger sizes these dimensions will be 140mm and 150mm respectively.

### **2.3 Pockets flaps**

The flaps will be shaped flaps lined with self-material, interlined with woven interlining and stitched 6mm from the turned edges. The finished depth of each flap will be 40mm on the sides, 60mm in the centre and the flap will have a false vertical buttonhole in the centre and will fasten with 20mm Velcro. The flaps will be so positioned that the flap buttonholes are level with the second buttonhole. The left front will have a 40mm wide gap at the top of each pocket flap securely stitched down.

### **2.4 Back**

The back will have a double yoke of finished depth 130mm at the centre of the back and 120mm at the shoulders. Two pin tuck will be stitched at the back as a style lines. The hem will be straight and sides will be straight.

### **2.5 Collar**

The collar shall be sports type glad neck collar, interlined with interlining and 6mm edge stitched.

### **2.6 Button**

There will be six buttons securely sewn to positions corresponding to the buttonholes. The buttons on the right front will be sewn 15mm from the front edge. Each button will be secured with the holes aligned with the relevant buttonhole.

### **2.7 Hem**

The hem at the bottom of the shirt will have a finished width of 6mm. the hem will be turned in and stitched down 2mm from turned-in edge.

### **2.8 Sleeves**

Sleeve shall be short/long as per requirements with a lip turn up on the short sleeve and a cuff on the long sleeve.

### **2.9 Embroidery**

The West Rand Operational Badge shall be placed 4cm from shoulder line on both right and left sleeve.

- \* Rank/Logo Embossing Shield shall be placed on the left chest above chest pocket.
- \* Name Embossing Shield shall be placed on the right chest above chest pocket.
- \* Rank Embossing shall be fitted to the collars at the end on both left and right sides.

### **2.10 Reflective Trims**

Retro- reflective fluorescent trims in accordance with the NFPA 1971 (2000) shall be fitted to the shirt sleeve.

All trims shall be 3m type 9487.

The trims shall be 50mm wide throughout.

All trims shall be double stitched.

The colour of the trims shall be lime-yellow with a silver strip in the centre.

### **2.11 Material**

**Navy Blue Rip Stop [emergency services]  
Light Gray Out back Shirt [disaster management}  
Light brown Outback Shirt [ social crime prevention]**

50%cotton and 50%poly VAT Dyed  
 Warp is 30/2 combed 100%cotton  
 Weft is 24/2cm poly%50/cotton50%  
 Weave is 1/1 Rip stop  
 Weight 195 grams approx.

**2.12 Size Chart:**

<b>SHIRT</b>		<b>SHORT SLEEVE</b>
<b>SIZE</b>	<b>CHEST</b>	
<b>SMALL</b>	<b>57</b>	<b>14</b>
<b>MEDIUM</b>	<b>61</b>	<b>14</b>
<b>LARGE</b>	<b>65</b>	<b>15</b>
<b>XLARGE</b>	<b>69</b>	<b>15</b>
<b>2XLARGE</b>	<b>73</b>	<b>16</b>
<b>3XLARGE</b>	<b>77</b>	<b>16</b>
<b>4XLARGE</b>	<b>81</b>	<b>17</b>
<b>6XLARGE</b>	<b>89</b>	<b>17</b>
<b>7XLARGE</b>	<b>93</b>	<b>18</b>

**3. BLACK SOCKS**

The length of the socks shall be up to the bottom of the knee.

The material shall be 70% wool and 30% nylon. The material shall have a thickness of no less than 2,5mm.

The socks shall have cushion soles. Bio-guard type socks are required.

**4. OPERATIONAL CAPS**

**4.1 Material**

The fabric will be 50% polyester and 50% cotton to the same standard as the rest of the uniform material. The colour of the fabric will be oxford blue to CKS 129/34c/1968.

Peak- shall be 1,5mm thick bontex board or 1,8mm plastic, cut to the USA shape  
 Bias binding- shall be poly/cotton cut 24mm and width a finished width of 14mm

Hat bands- shall be made of tricel lining cut 40mm wide on the bias, stitched both sides over 25mm and with a finished width of 14mm

Stays- shall be of bontex board 04mm thick and 8mm wide.

Stiffening- shall be non-woven iron-on type RL40.

Buttons- shall be rustproof pin back type size 22 line covered with cloth

Eyelets- shall be bifurcated rimmon type ducoed navy blue with an international diameter of 4mm.

Fasteners- shall be of Velcro 20mm wide and 50mm in length, navy blue in colour.

Front support- to be dye cut from medium weight.

Embroidery- as approved

The West Rand Operational Badge shall be placed centrally on the front.

Threads- the thread shall be polyester and cotton core spun thread, ticket no 80.

#### 4.2 Manufacture

The caps shall be cut in 5 parts. The front panel only to be laminated to non-woven stiffening and die cut in double gore shape and shall have a badge stitched on the centre front 25mm from the bottom of the panel or directly woven into the panel.

Two side panels to be cut in gore shape with pre-punched marks for the eyelets.

Two back panels to be cut in gore shape with an overlap cut at the back allow for adjustment and with pre-punched marks for the eyelets.

The peak to be cut in two parts to the USA shape seamed on the outside edge and stretched over the inner peak and drawn tight there over as it is stitched down on the inside edge trimmed to leave approximately 6mm cloth for attachment to the body of the cap.

The front side and back panels are to be stitched together with seams nominal width 5mm to the crown of body of the cap. The front panel seam to be overlocked and lock stitches. All over seams to be under pressed and covered with bias binding stitched down with a double needle machine. The cut out overlap at the crown to be flat bound with bias binding.

The back and side panels to have bontex stays. Stitched to the edge on both sides.

A suitably shaped nylon front support bound with bias binding will be attached behind the front panel with a 30mm wide cotton calico strip.

The peak to be attached to the crown of the cap end is perfectly centred across the front panel.

A 25mm hatband to be attached to the bottom of the back of the cap at the same time top stitching the bound edge inside together with the excess hatband to cover the seam.

A 50mm length of fastener to be fitted to the bottom of the opening at the back of the cap at the same time top stitching the bound edge inside together with the excess hatband to cover the seam

Four eyelets to be fitted to the pre-marked positions on the crown of the cap.

A covered button to fitted to the top of the crown where the seams meet.

The caps are to be made in four adjustable sizes covering the following:

Small	-	54-55cm
Medium	-	56-57cm
Large	-	58-59cm
Extra-large	-	60-61cm

#### 4.3 Stitched, Seam and Stitching

General- all sewing shall be in accordance with SABS.0101

Stitches shall be as follows:

1. seams- stitch type 301
2. over locking- stitch type 502-505
3. other sewing- stitch type 301

Number of stitches shall be as follows:  
All stitching on topstitching: 36+ 4 per 10cm

#### 4.4 Workmanship

The caps shall be made with first class workmanship throughout, and shall be free of all defects affecting their appearance and serviceability. All seams to be smooth and all stitching to be uniform and free of pleats, twists and puckering. Unsecured ends of sewing shall be tacked and all loose threads to be removed. The caps shall be of uniform and acceptable make, colour and finish and the shade matching of the component parts of the caps shall be such as to be acceptable.

#### 4.5 Packing, Labelling and Marketing

Packing-each cap shall be supplied neatly folded and packed in boxes of 25 per box.

Labelling-each cap shall have a size sticker and manufacturers label securely sewn inside.

#### 4.6 Officers caps

An oak leaf must be embroidered in gold on the peak 20mm from the front edge.

### **5. BOOTS: OPERATIONAL BOOTS (BLACK)**

The boots are intended for use in Emergency Services as part of the operational uniform

The boots shall be fitted with toe and shin protection.

The sole shall be constructed of rubber and shall offer excellent chemical resistance and be non-slip. The boots shall feature a toe tip and heel bumper.

Full grain flame-resistant and puncture-resistant leather shall be used for the uppers. The boot shall have excellent water repellent properties.

The boots shall feature a split leather padded collar, leather tongue and shall be lined.

The heel of the boots shall be fitted with stabiliser

The boots shall be fitted with a shock absorbing midsole.

The boots shall create a watertight seal where the rubber outsole joins the leather upper.

The boots manufacturer shall give a written warrantee that the sole shall not come loose from the uppers with exposure to heat and water.

The boots shall be available in sizes ranging from 3 up to 14 including half sizes.

The successful tenderer shall keep sufficient stock of the boots for the period of the contract.

## 6. OPERATIONAL GOLF-SHIRT

Golf T-shirts (short sleeve)

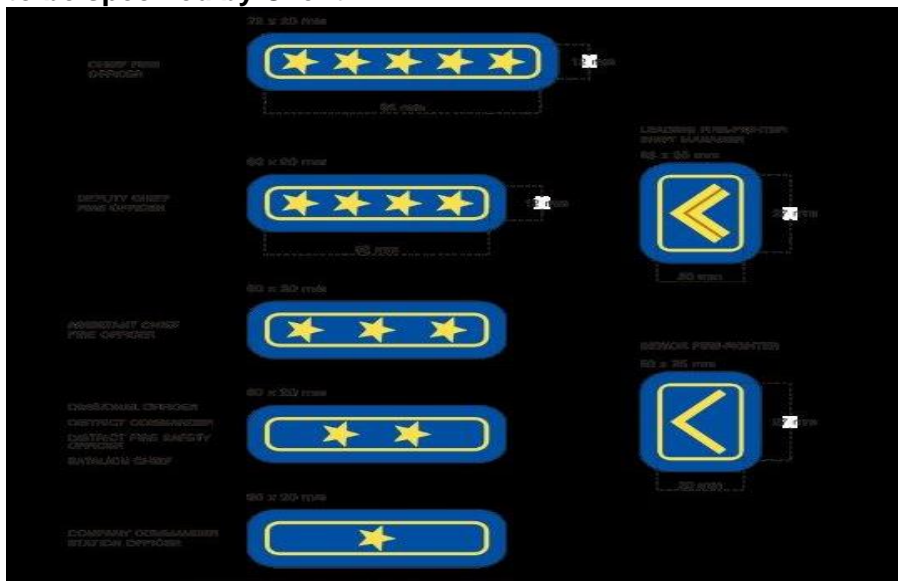
## 7. RUBBER NAME TAGS:

Rubber Name tags with the South African Flag must be edged with a Blue border for the combat uniforms. All information must be in one line with Initials and surname.



## RUBBER RANK MARKINGS FOR FIRE SERVICE:

Rubber Rank markings must be edged with a Blue border for the combat uniforms. Different Ranks to be specified by Client.



## SPECIFICATIONS FOR FIRE FIGHTING PROTECTIVE WEAR

### ITEM 1: FIRE FIGHTER GLOVES



- Structural Fire Fighting Gloves
- Advanced multi layer design



- Provides thermal protection and cut/puncture resistance
  - Flexible 6 layer knuckle guard system
  - Ring and middle finger's suede are cut and sewn independently for enhanced dexterity
  - Long cuff model uses Kevlar wrapped debris blocker
  - Double layer breathable polymer for blood borne pathogen/liquid resistance
- Conforms to NFPA

## ITEM 2: PRO TECH BOSS RESCUE GLOVES



- An ideal, cost-effective glove for auto extrication, clean-up, and so many hazardous utility applications.
- High-wear gripping areas are strategically reinforced with silicone-coated Level 3 cut-resistant Kevlar® that can withstand 1000° F for 20 sec.
- Multiple layers and types of cut-resistant FR Kevlar make these versatile utility gloves unmatched for protection, comfort, and dexterity
- Superior construction maximizes flexibility, dexterity, grip, and comfort; extends wear life; and reduces stress and fatigue
- Convenient Carabiner Hole, reinforced with sturdy synthetic leather and double stitching. No loops, grommets, rings, or hardware...to catch, corrode, or get hot
- Breathable, water-resistant stretch nylon on glove back for increased flexibility and comfort.

## ITEM 3: BULLARD 6" HELMET VISOR



Bullard 6" visors conform to ANSI/ISEA Z87.1-2010 standard for eye and face protection when used in combination with Bullard headgear or face shield brackets. Visors are available in flat or heat-formed acetate, clear flat or heat-formed polycarbonate, Shade 3 and 5 flat polycarbonate, flat or heat-formed Tritan™ and flat polyester

NOTE: Visor Brackets are sold separately per pair



#### ITEM 4: STRUCTURAL FIRE FIGHTING SUIT



4 Material Layer System - Combination Determined by Risk Type

*Fire suits, which are sometimes known as 'bunker gear' and 'turnout gear', consist of several protective layers of heat-resistant synthetic materials called aramids. These suits must not only protect the wearer from obvious extreme heat and burns, but they must also allow air transfer (to let cool air into the suit and expel body-heated air away), as well as preventing moisture build-up inside the gear itself. There are three main layers to a fire suit: the outer shell, the moisture barrier and, lastly, the thermal layer.*

Pre-Formed sleeves, Contoured arm cut for ease of movement and comfort

Multiple-Panel Construction for ease of movement and comfort

Articulated Elbows

Preformed Legs

Articulated knees improve flexibility

Available in Traditional and Bunny Cut Style

Sizes: X Small - 6X Large

Drag Rescue Device (DRD) – (Optional)

Outer Material – Armour (NFPA)

Vapour Barrier – StedAir (NFPA)

Thermal Barrier – Q8 (NFPA)

#### ITEM 5: RUBBER FIRE BOOTS



Flame retardant upper compound

Leg lining with inner lining material for heat resistance

Steel toe cap

Shin guard  
Oil resistant, flame retardant sole and electric shock resistant bottom  
Steel mid sole  
Pull-up loops on both sides of Boot  
Conforms to NFPA 1971 (2000)

#### **ITEM 6: BULLARD LT STRUCTURAL FIRE HELMET**



Lightweight Structural Helmet  
Thermoplastic outer shell  
Urethane foam impact liner  
Rip-Stop Nomex ear and neck protector  
Six point crown strap assembly  
6" Faceshield  
3M Scotchlite reflective markings  
Colours : Red/White/Yellow  
Certified to NFPA 1971-2007 & NFPA 1951-2007

#### **ITEM 7: BALACLAVA**



40% P-84 / 55% Rayon FR / 5% Kevlar  
Material Double Layered  
Must Meets and exceed NFPA 1971-2007 Edition and be UL Certified.  
Cal/OSHA Standards  
One size fit all.

#### **GENERAL**

- **Prices, including VAT must be inclusive of delivery to the West Rand District Municipality.**
- **Bidders must submit their formal quotations in business letterheads based on the items indicated herein.**
- **Bidders must be available to measure the personnel onsite**
- **The appointed bidder will be entitled to an annual escalation based on Consumer Price Index(CPI)**

**a) PRICING SCHEDULE: OPERATIONAL UNIFORM AND FIRE FIGHTING PROTECTIVE WEAR**

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
1	Combat / Operational Trousers		
2	Combat / Operational Shirts (Short/Long Sleeve)		
3	Black Socks		
4	Operational Caps		
5	Boots: Operational Boots (Black)		
6	Operational Golf-Shirt		
7	Rubber Name Tags		
8	Fire Fighter Gloves		
9	Pro Tech Boss Rescue Gloves		
10	Bullard 6" Helmet Visor		
11	Structural Fire Fighting Suit		
12	Rubber Fire Boots		
13	Bullard Lt Structural Fire Helmet		
14	Balaclava		
		<b>TOTAL</b>	
		<b>VAT 15%</b>	
		<b>TOTAL</b>	

## PROJECT DURATION AND TIME FRAME

Delivery: 6 weeks after official order.

## EVALUATION CRITERIA

### Preference points system

This tender will be evaluated on an **80/20** Preference Point System (80 points will be allocated for price and 20 for B-BBEE Level of Contribution) in line with the provision of preferential procurement Policy Framework Act, Supply Chain Management Policy of WRDM and National Treasury Regulations.

### Functionality Evaluation

Functionality will be out of 100 points. Bidder(s) who obtain **less than 60 points** of the functionality evaluation will be eliminated from further evaluation. The evaluation will be based on the following:

### FUNCTIONALITY

EVALUATION CRITERIA		
NO.	DESCRIPTION	WEIGHTS
1.	Bidder must have experience in supply and delivery of Operation Uniform (Working Dress) for Rescue and Fire services and should have successfully completed a minimum of 3 similar projects (References to be supplied). Points will be allocate as follows Less than 3 projects = 0 3 projects = 40 points 4 projects = 50 points 5 projects and Above = 60 points	60
2.	Experience in terms of monetary value on the above mentioned projects Points will be allocate as follows(Attach appointment letters) Below R500 000 = 0 R500 000 >R 1 000 000 = 20 points R1000 000 >R1 500 000 = 25 points R1 500 000> R2 000 000 = 30 points R2 000 000 and above = 40 points	40
	<b>TOTAL</b>	<b>100</b>