

OVERSTRAND MUNICIPALITY
PROTECTION SERVICES :
TRAFFIC, LAW ENFORCEMENT AND FIRE BRIGADE
CLOTHING SPECIFICATIONS SC 757/2009

The Following conditions will apply:

- Delivery address : Protection Services : Traffic, Law Enforcement and Fire Brigade, Mussel Street, Hermanus.
- Prices Quoted must be valid until 31 December 2010.
- Prices quoted must be firm and inclusive of VAT.
- Prices must include delivery charges
- It is a condition of the tender that all tenderers submit a SABS manufacturing Capability Report Certificate which is not older than twelve (12) months, which certifies the capability to manufacture the specific items tendered for with their tender. Failure to submit this report will render the tender null and void.

1. High Vis Traffic Vest with Royal Checker band

Fabric – 100% Polyester knit
Main colour - Day-Glo orange
Contrast colour – Day-Glo yellow
Style – sleeveless – zip front – mandarin collar – two front patch
Pockets with plafts – elasticated waistband – two royal blue 50mm
Reflective checker band tapes around chest and waist – royal blue
Checker band shoulder straps.
Main body – orange
Contrast – Day-Glo yellow – collar – pockets, waistband,
piping, traffic badges.
Badges – Traffic reflective on Day-Glo yellow fabric - large on
Back and small on right front
Water Resistant

Sizes: Small, Medium, Large, Extra Large and Double Extra Large for all the above items
Special size Vests shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items/ Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

2. Northwester warm, waterproof jacket – Navy / Royal with royal checkerband tape

Nylon Oxford waterproof, breathable fabric
Colour – Navy with royal blue shoulders
Royal blue 50mm wide silver reflective checker band around chest

Light weight thermal insulation
“Traffic” in silver reflective letters on Day-Glo orange at the back of the jacket
Waterproof and seam sealed (suitable for extreme weather conditions)
Removable articulated® hood (moves with wearers’ head)
Double storm flap over zip
Shoulder straps
Front patch bellows pockets
Fleece lined stand collar
Fleece lined adjustable cuffs

Sizes: Small, Medium, Large, Extra Large and Double Extra Large for all the above items
Special size jackets shall be made to fit for individual personnel, where standard sizes will not fit
Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

3. Traffic Officers 5 panel baseball cap

Fabric – Polyester/Cotton
Colour – Traffic Blue
Sandwich curved peak with royal blue strip
5 panel – no seam down front of cap
Adjustable strap with metal buckle
Front stiffening board

Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

4. Ladies felt hat

Fabric – Wool felt
Colour – Navy
Self material stitched edge
Peters ham hat band or equivalent
Peters ham braid inside band or equivalent

Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

5. Combat Trousers – Traffic Blue with royal blue piping

Fabric: Polyester / Cotton
Colour: Traffic Blue
Piping down side seams
Patch pocket on right front
75mm belt loops
Two straight side pockets
One hip pocket with Velcro closure

Self material pocketing and waistband
Permanent front and back seams
Draw cords at bottom of leg

Sizes: Small, Medium, Large, Extra Large and Double Extra Large for all the above items
Special size trousers shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

6. Ladies Slacks

Fabric – Polyester Tetrex
Colour – Traffic blue
Flat front classic style
Zip fly
No pockets
No belt loops
Semi elasticated waistband

Sizes: Small, Medium, Large, Extra Large and Double Extra Large for all the above items
Special size slacks shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

7. Ladies Skirt

Polyester Tetrex
Colour : Traffic Blue
Semi elasticated waistband
No pockets
No belt loops
Zip at back

Sizes : 36-44, 46, 48, 50
Special size skirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender

8. Tie

Fabric – 100% Polyester
Colour – Royal blue
142cm long
8cm wide at widest point

***Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender***

9. Shoulder flashes

Fabric – 100% Polyester
Colour – Royal blue
Size 85 x 125mm shield shape with point at bottom
60mm slit at top
Traffic Services multi colour design with raised with white embossed
Lead weight

***Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
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10. Epaulettes

Fabric- 100% Polyester new Mettatele Epps
Colour – Royal blue
Size 115mm long
Tapered 50mm to 65mm

***Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender***

11. Gloves - White

Fabric – 100% Cotton
Colour – White

Size : Small, Medium, Large, X-Large, 2X-Large, 3X-Large

***Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender***

12. Leather ammunition clip pouch

Fabric – leather
Colour – Black
Basket weave design
Fits onto belt
Press stud closure

***Price per unit for the items / Please fill in at corresponding item number on Pricing Schedule
Sample to be handed in with tender***

13. Leather Holster

Fabric – leather
Colour – black
Plain design
Fits onto belt
Press stud closure

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

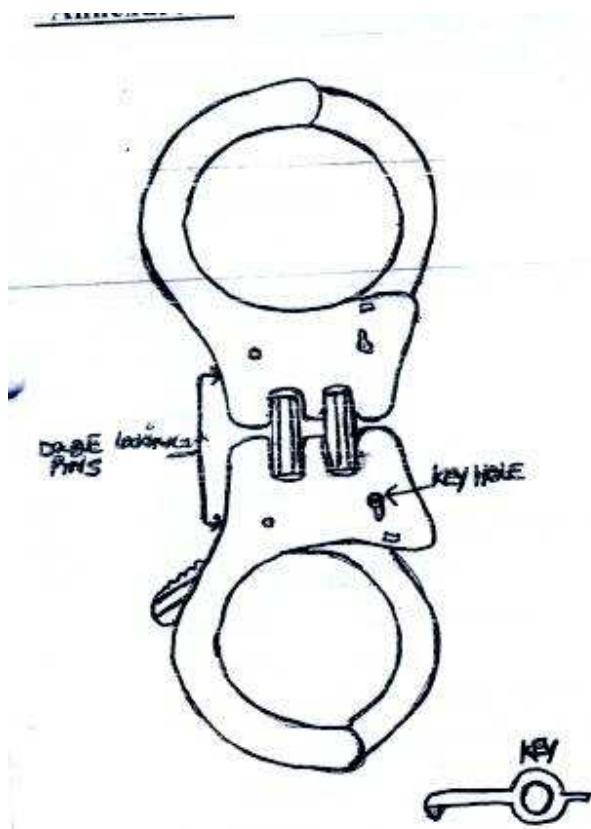
14. Hinged Handcuffs

Material

Material – stainless steel – anodized finish

Locking Mechanism

Each handcuff must have a double locking mechanism. The handcuffs must lock when it is applied to the wrist and when the double locking device is pressed it shall prevent the jaw from travelling in either direction. The mechanism must be released by the use of the key. Two keys to be supplied with handcuff.



Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

15. Leather handcuff pouch

Fabric – Leather
Colour - Black
Basket weave design
Fits onto belt
Press stud closure

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

16. Handbag

Fabric – synthetic leather
Colour – black
3 zip compartments
Two plain compartments
Adjustable shoulder strap

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

17. Long Socks

Pantera or equivalent – Wool bland long socks, opt fresh trawled for ultimate protection

*Price per unit for the item s/ Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

18. Short Socks

Cartina or equivalent socks- genuine mohair
Socks 37Y mohair – 37Y Wool / 26% Cotton
25Y nylon – 1Y Lycra

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

19. Shoes

Shoes: Jordan Parabellum shoe or equivalent
Square Toe

Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

20. Shoes “Slip-on”

Jordan Parabellum or equivalent
Black Leather
Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

21. Boots

Magnum “Viper” Boots or equivalent
Action Leather / Nylon Upper
Circular side Zipper
Moisture Wicking lining
Composite Shank
Contoured Removable sockliner
Compression Molded EVA Midsole
Charged Heel air cell
Aggressive slip resistant carbon rubber outsole
Colour : Black

Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

22. Belts

Belts: Leather basket weave 50mm

Sizes : 36, 38, 40, 42, 44, 46, 48, 50

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

23. Jump suit (Traffic)

Navy Blue with reflective bands
65% Polyester
35% Cotton

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large
Special size Jump suits shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

24. Jerseys (Traffic Blue)

High bulk Fully washable
“V” Neck
Long sleeve
Epaulettes and elbow patches
Ribbed cuff and waistband
Colour : Traffic Blue

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large

Special size Jerseys shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the item / Please fill in at corresponding item number on Pricing schedules
Sample to be handed in with tender

25. Jerseys (Navy Blue)

High bulk Fully washable
“V” Neck
Long sleeve
Epaulettes and elbow patches
Ribbed cuff and waistband
Colour : Black

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large

Special size jerseys shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

26. Pull Over

High Bulk fully washable
“V” Neck
Epaulettes
Colour : Traffic blue

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large

Special size pull over shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

27. T-shirts

Double Knit
Crew neck t-shirts
Colour : Blue / Navy

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large

Special size T- shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

28. Trousers (Traffic Blue)

Radford (55% Trevira 45% Wool) or equivalent
Colour : Traffic Blue
Double pleated front
One hip pocket to button
Zip fly
Two slanted side pockets
60 mm belt loops
Plain bottoms
Double stitching : Crotch

Sizes 37 – 44, 46, 48, 50

Special size trousers shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

29. Trousers (Black)

Radford (55% Trevira 45% Wool) or equivalent
Colour : Black
Double pleated front
One hip pocket to button
Zip fly
Two slanted side pockets
60 mm belt loops
Plain bottoms
Double stitching : Crotch

Sizes 37 – 44, 46, 48, 50

Special size trousers shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

30. Trousers (Black) “Chino’s”

100 % Cotton Trousers
Chino Style
Colour : Black
Zip fly
Two slanted side pockets
60 mm belt loops
Plain bottoms
Double stitching : Crotch

Sizes 37 – 44, 46, 48, 50

Special size trousers shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

31. Long Sleeve Shirt (Blue)

Material : Whitehead Quality P71
 SABS mark – 112g/square meter
 35% Cotton 65% Polyester
 Standard weight shirting

Colour : Traffic Blue
Two patch breast pockets with flaps to button
Button through front
Epaulettes to button
Fused / Raised collar

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large

Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

32. Short Sleeve Shirt (Blue)

Material : Whitehead Quality P71
 SABS mark – 112g/square meter
 35% Cotton 65% Polyester
 Standard weight shirting

Colour : Traffic Blue
Two patch breast pockets with flaps to button
Button through front
Epaulettes to button
Glad / open neck

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large

Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule

Sample to be handed in with tender

33. Long Sleeve Shirt (White)

Material : Whitehead Quality P71
 SABS mark – 112g/square meter
 35% Cotton 65% Polyester
 Standard weight shirting

Colour : White

Two patch breast pockets with flaps to button

Button through front

Epaulettes to button

Fused / Raised collar

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large

Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule

Sample to be handed in with tender

34.Short Sleeve Shirt (White)

Material : Whitehead Quality P71
 SABS mark – 112g/square meter
 35% Cotton 65% Polyester
 Standard weight shirting

Colour : White

Two patch breast pockets with flaps to button

Button through front

Epaulettes to button

Glad / open neck

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large

Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule

Sample to be handed in with tender

35. Short Sleeve shirt (Royal Blue)

100 % Cotton
Colour : Royal Blue
Two patch breast pockets with flaps to button
Button through front
No Epaulettes
Glad / open neck

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large
Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender

36. Short Sleeve shirt (Navy Blue)

100 % Cotton
Colour : Navy Blue
Two patch breast pockets with flaps to button
Button through front
No Epaulettes
Glad / open neck

Sizes : Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 5X-Large
Special size shirts shall be made to fit for individual personnel, where standard sizes will not fit

Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
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37. Black Leather Fire Boots

Certificate copies of EN compliance must be submitted. Failure to do so will result in disqualification
EN 15090-2006

SPECIFICATIONS:

General : Waxy cow hide leather, complies to EN 345 part 2
 Nitrile direct vulcanized rubber sole
 Steel toe cap complies with BSEN 344-1:1993
 Steel midsole complies with BSEN 344-1:1993

The boots must be manufactured in accordance with the requirement of BSEN 345 Part 2 and A30

Details

Black leather oil, acid, alkali and water resistant. Leg height 345 mm (minimum) measured from insole.

Minimum measurements for fittings:

Straps-25 mm wide

Pull –on loops 30mm wide, with a minimum of 70 mm free loop

Top band (soft leather) rolled over to secure the lining

Back strap, reinforced and stiffened

Meets the cut resistance requirements for EN 345 Part 2.A 1.5mm substance Kevlar strip provides protection for an area which extends for at least 30 mm above the feather edge (welt) of the footwear and from the steel toecap to the above heel in continuous length with no gaps

Counter : Thermo activated 1.8 mm stiffener to laminate lining to upper.

Vamp : Seamless design with anti-scuff toe covering. The leg section must be attached using downward facing seams the whole fully block.
Stitching: eight stitches per inch using size 30 bonded nylon tread. Three rows of Kevlar thread on major seams.

Lining : Must be waterproof, breathable, full bootie lining construction enclosing the entire foot.

REFLECTING BANDS BY 3M®

According to the EN 345-2 flame resistance test.

Insole : Made of leather board insole or cellulose-3 mm thick

Sole and Heel : Oil and heat resistant rubber direct vulcanized unit with a minimum cleat depth of 6.5 mm. Oil and heat resistant to 300 degrees celcius

Toecap : Anti-scuff toe cap vulcanized to the leather over the steel toecap, Oil and heat resistant.

Midsole : Penetration Resistant
Stainless steel and must comply with BSEN345.2
Performance Requirements
Impact Resistance
Comply with as specified in BSEN344
Comply with as specified in Clause 5.6 BSEN344
Slip Resistance
When tested in accordance with SATRA method PM 144D, the minimum efficient of friction must not be less then 0.4

Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

***Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender***

38. STRUCTURAL FIRE FIGHTING TUNIC

Standard Design:

The complete suit shall comply fully with all relevant standards as set in the NFPA 1971 Standard on Protective Ensemble for Structural Fire Fighting, 2007 edition, codes.

The suit shall consist of a tunic and trousers.

The minimum overlap between the tunic and trousers shall be 250 mm.

Each garment shall consist of a composite of an outer shell, vapor barrier, thermal barrier and lining.

Current and valid certificates of compliance issued by an accredited test house, certifying that the outer shell, vapor barrier and thermal barrier comply fully with NFPA1971, Standard on Protective Ensemble for Structural Fire Fighting, 2007 edition, must be included with the tender.

Failure to do so will render the tender null and void.

The vapor barrier, thermal barrier and lining shall form the inner shell and shall be detachable from the outer shell.

Fabric and Garment Requirements:

Outer Material (Shell):

Aromatic Polyamide fibre enriched with 60% Kevlar. Materials to be in Rip-stop weave.

The colour of the material will be Navy blue.

The fabric shall withstand at least 350 cycles on the Taber Abrasion Machine without the material holing (90% of material weight retained).

The TPP (Thermal Protective Performance) shall be no less than 43 cal/cm² on the composite of the material on offer.

Degradation temperature to be no less than 1050°F (565.6°C)

The tensile strength of the outer material after 5 seconds TTP exposure shall not be less than 75 lb (34,5 kg) in warp and fill.

The garments shall comply with the NFPA 1971(2007) standards for :

Seam Strength,

High visibility,

Hardware and

Label legibility.

Only yarns guaranteed by the manufacturer to 360° C and SABS /NFPA shall be used.

Yarns to be of same colour as outer material

All raw edges and seams shall be over locked by using at least five (5) strands of yarn.

Seam strength to be at least 200 N.

Vapour Barrier:

Bicomponent Polyurethane laminated to Nomex E89 fabric

The fabric shall have NFPA 1971 (2007) approval for:

Flame resistance

Heat resistance

Water resistance

Liquid resistance

Viral resistance (Bacteriophage)

Strength

Resistance to penetration by fire ground chemicals.

Thermal barrier and Lining

Thermal barrier – 100% Aramid Batt/ Quilted. Lining – 100% Nomex face cloth/ quilted.

The fabric shall have NFPA 1971 (2007) approval for:

Flame Resistance

Heat resistance

Thermal resistance

Cleaning shrinkage

Strength

Requirements for Protective Tunic:

The outer shell shall be of a single layer construction throughout.

All seams shall be double stitched

The coat shall have a double closure front with 50mm Velcro and a heavy duty zip.

There shall be no seams on the shoulders. Sleeves shall be constructed in such a way as to afford maximum movement.

The sleeve cuffs shall be reinforced.

The arms of the tunic shall be designed to facilitate the maximum amount of free arm movement.

Elbow padding is required. The padding shall consist of polymer-coated Kevlar with a heat resistant material sandwiched between the shell and the Kevlar. The padding shall be stitched onto the outer shell using double stitching.

The vapour barrier, thermal barrier and lining together shall form the inner garment.

The inner jacket shall be attached to the outer jacket by means of a heavy-duty zip and Velcro with snaps at the arms.

The inner jacket shall be equipped with wristlets and thumb loops in accordance with the NFPA 1971 (2007) standards.

The jacket shall include inverted pleats. The two pleats shall be set in the back of the outer shell

The tunic must be available in traditional styles

Marking

3.13.1 The Overstrand “Fire Rescue” badge must be embroidered onto the left breast and the South African National Flag embroidered onto the left upper arm.

3.13.2 “Overstrand Fire & Rescue” must be screen printed in 60mm high silver letters on the back.

3.14.1 A radio pocket shall be fitted onto the left chest. The pocket shall be so positioned not to hinder the Breathing Apparatus shoulder straps. The pocket shall feature a pocket flap with an insertion for the antenna. The pocket flap shall be closed with a Velcro square.

A pocket shall be placed on each side on the inside of the inner shell. These pockets shall be constructed of the same material as the inner shell.

Collar:

The collar shall be of a double layer of the same material as the outer shell and shall have a layer of the quilted thermal barrier in the middle thereof.

A storm-flap constructed the same as the collar shall be fitted in such a way as to ensure a “Dry Suit”.

The area over the chin shall have a layer of Nomex Knit.

Requirements for Protective Trousers

The trouser shall be shaped in such a way that it will provide a tailored fit.

The trousers shall extend no less than 150 mm above the waist.

Super heavy-duty suspenders shall be permanently fitted to the trousers. A mechanism to prevent the straps from sliding from the shoulders shall be incorporated into the suspenders

The main body of the suspenders shall be constructed of non-elastic webbing with reflective weaved in. The suspenders shall be no less than 50 mm wide.

The suspenders shall be equipped with two non-slip thermoplastic slide fasteners for adjustment.

A 220 mm length of 50mm wide elastic webbing shall be stitched into the non-elastic webbing on the back section of the suspenders to allow for easier movement. The left and right suspender belt shall be connected with 50mm elastic webbing at the back.

The cuff area of the trousers shall be reinforced.

The leg ends shall be wide enough to fit over the bunker boots. The bottom leg seam of the inner shell shall be fitted with an elastic band.

The knee area shall be reinforced with polymer coated Kevlar squares.

Reflective Trim

Retro-reflective fluorescent trims in accordance with the NFPA 1971 (2007) shall be fitted to the suit.

All trims shall be 3M type 9487

The trims shall be 76.2 mm wide throughout.

All trims shall be double stitched

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

The trims shall be positioned as specified.

Marking:

Each Tunic and each pair of trousers must have a white woven cotton label of a nominal size of 60 mm x 40 mm. All cut edges must be turned in and the label securely sewn centrally to the inside of the back of the inner shell at the top of both the tunic and trousers. The label must provide the following information printed in legible block letters.

The manufacturers name or trade mark or both

The composition of the materials

The year of manufacture

Washing instructions

General

All materials used in the repair must comply fully with the quotation specification.

The suit shall be constructed in such a way that damaged panels can be replaced. All layers must be designed to allow for this.

The garment shall have no metal clips or rivets.

It is a condition of the tender that all tenderers submit a SABS Manufacturing Capability Report Certificate which is not older than twelve (12) months, which certifies the capability to manufacture the specific items tendered for with their tender. Failure to submit this report will render the tender null and void.

The suits shall be made in seven (7) sizes labeled: Small, Medium, Large, X-Large, XX-Large, XXX-Large and Special size. Special size suits shall be made to fit for individual personnel, where standard sizes will not fit and protect adequately.

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

39. Structural Firefighters Helmets

The Structural Firefighter Helmets must meet or exceed NFPA 1971 Standard on Protective Ensembles for Structural Fire Fighting 2007 Edition.

Thermoplastic, structural firefighter's helmet.

Utilized for structural firefighting.

Helmets shall specifically design to protect the firefighter from head and neck injuries related to structural firefighting activities.

The helmet manufacturer quality system shall be certified to ISO 9001-2000 Standard to assure quality procedure and production capabilities.

MANUFACTURES WARRANTY:

Helmets shall be warranted, for the lifetime of the helmet, to be free of defects in material and workmanship when sold. The manufacturers shall replace, free of charge, any such helmets found to be defective provided the manufacturer is notified in writing within 30 days of the date of detection of the defect.

Impact Management System:

The impact management system of the helmet shall consist of an outer shell, a unitary inner shell and a crown strap suspension. The three components, must work together as a system, to reduce the force of an impact to the helmet and the helmet wearer.

Helmet Shell

The helmet shell be contemporary style and shall be constructed of heat-resistant thermoplastic. Colour pigment shall be added to the thermoplastic resin as part of the manufacturing process that molds the helmet to help maintain appearance by masking chips and scratches that might occurs with daily wear and tear.

The edge of the outer shell shall have aluminum reinforced, elastomeric edge beading that is secured at the rear of the brim by a stainless steel clip and D-ring fastened by a stainless steel rivet. The edge beading shall not melt, drip or ignite when tested to NFPA 1971-2007, Section 6-6.12, Heat Résistance requirements.

The shell finish should be available in yellow.

Unitary Inner Shell:

The inner shell shall be of unitary design, impact attenuating structures and shall be constructed of a heat-résistance thermoplastic.

Urethane or any foam shall not be used.

Crown Strap Suspension:

The crown strap suspension shall consist of 3/4" nylon straps attached to four nylon keys. The keys shall be inserted into key sockets formed into the unitary inner shell.

Ratchet Headband:

The helmet shall have a quick-adjustment sizing capability by means of a ratchet adjustment mechanism attached to a heat-resistant nylon headband. The headband shall be attached to the unitary inner shell by four black acetate buttons (two front, two rear).

The ratchet housing shall be wrapped in a cushion-backed leather cover to enhance fit and comfort at the nape of the head. The leather ratchet cover shall be attached by four pièces of Velcro hook and loop material to permit removal for cleaning and replacement.

Brow pad:

The headband shall be supplied with a vir retardant cotton knit brow pad, backed with foam cushion padding material at the forehead. This brow pad shall extend rearward on each side 6.5" from the centre line of the headband to provide stability and comfort to the firefighter.

The brow pad shall be a continuous strip of hook and loop material to permit removal for laundering and replacement. Attachment to the headband with stitching will not be permitted.

Chin strap:

The chin strap shall consist of two pièces ¾ " black Nomex webbing with a super-tough nylon quick-release buckle. The male side of the quick-release buckle shall be anchored to the right of the outer shell with a dielectric anchor block secured to the face shield-mounting bracket with 2 stainless steel screws. The long portion of the chin strap with the female side of the quick-release shall be attached to the left side of the outer shell in the same manner. When the chin strap is connected and fully extended, maximum length shall be at 24" when measured from one anchor block to the opposite anchor block.

Ear/Neck Protector:

The ear/neck protector shall consist of a 6 oz. Rip-stop Nomex outer shell backed with two layers of FR cotton flannel for comfort and protection. A 1" strip of loop material shall be stitched in one continuous band across the top of the outer shell portion of the ear/neck protector for attachment to three corresponding strips of 1" hook material located on the interior of the unitary inner shell.

It should be properly attached to the unitary inner shell of the helmet, the ear/neck protector shall have the following minimum coverage to the side and rear of the helmet brim:

6" from the sides of the helmet brim at the chinstrap.

6-1/2" from the center rear of the helmet brim.

Face Shield

The face shield shall be hard-coated high heat thermoplastic material 4"x15" that is molded in the formed position and designed to fit the contour of the helmet brim. The face shield shall be certified to meet optic requirements of ANSI Z87.1-2003 Standard for Eye and Face protection. This certification shall be in addition to compliance with NFPA 1971 requirements for heat and impact performance.

When mounted, the face shield shall permit a minimum retract ability of 90° in stowed position.

The face shield shall be mounted to the brim of the outer shell by a glass-reinforced, flame resistant,

nylon hand wheel/stainless treaded stud. Attached to a brass T-nut which is supported by an aluminum washer fastened to Quick-Attach mounting blades. The face shield hardware shall be tested to NFPA 1971-2007, Section 6-3 Flame Resistance Test Two.

The chinstrap/Quick-Attach combination mounting bracket shall be secured to the brim of the outer shell by 4 stainless steel bolts and nuts. A thermoplastic spacer washer shall be used to bridge the mounting bracket.

Retro-reflective trim:

The outer shell have 5-1"x4' fluorescent lime-yellow, retro-reflective marking located around the circumference of the outer shell.

The reflective materials shall be glass bead based to maximize the resistance to heat exposure. Vinyl based reflective materials will not be considered equal.

It is a condition of the tender that all tenderers submit a SABS Manufacturing Capability Report Certificate which is not older than twelve (12) months, which certifies the capability to manufacture the specific items tendered for with their tender. Failure to submit this report will render the tender null and void.

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

40. Black Leather Station Boots (Safety Boots)

Rubber/Pu heat resistant safety boot with thick outer sole.

At least 8mm rubber sole and at least 300 degree celcius heat resistance

Tread cleating to give excellent slip resistance

Mid sole must be light weight flexible and soft PU

Non conductive rubber sole

Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

41. Black Chelsea Boots

Upper Material: Buffalo Leather

Tread :M20 Heat resistant

Resistant to 400 degree Celcius

Toecap :Extra wide fitting steel toecap resistant to 200 J

Sizes : 4, 5, 6, 7, 8, 9, 10, 11, 12

*Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender*

42. Jump Suit

This specification describes a jump suit to be used for normal operational use and vegetation fires.

1. *STYLE : one piece jump suit*

- 1.1 Front opening, fastening with a slide fastener – no Velcro. A fly catch at least 30mm wide to be fitted behind the stringer of the slide fastener
- 1.2 shirt type collar with lapel
- 1.3 back shall have a solid back
- 1.4 two breast pockets with angled slide fasteners
- 1.5 two side pockets in the trouser section
- 1.6 two thigh pockets at arms length above knee with pocket flap fastening with Velcro
- 1.7 pen pocket on the left sleeve
- 1.8 elasticized back waist with adjustment straps (see 7.2)
- 1.9 sleeves and trouser legs trimmed with fluorescent retro reflective tape (see par 3)
- 1.10 bottom leg opening with a slide fastener sufficient to fit over structural fire fighting boots

2. *MATERIAL*

- 2.1 The material shall consist of a blend of 49% PPAN-fr/42% cotton/5% para-aramid/ 3%PA/1% static control.
- 2.2 The weight of the material shall be 230g/m²
- 2.3 It shall be woven in a rip-stop weave
- 2.4 It must comply with EN533:1997 for flammability
- 2.5 It must comply with EN531:1995 for thermal performance
- 2.6 The colour shall be navy blue

3. *REFLECTIVE TAPE*

- 3.1 Retro-reflective fluorescent trims in accordance with the NFPA 1971 (2000) shall be fitted to the suit
- 3.2 All trims shall be 3M type 9487
- 3.3 The trims shall be 76.2mm wide on bottom and 48mm on arms.
- 3.4 All trims shall be double stitched
- 3.5 The colour of the trims shall be lime-yellow with a silver strip in the centre.
- 3.6 Be sewn around each sleeve – positioned 50mm above the elbow across the bicep
- 3.7 Be sewn around each trouser leg-positioned immediately below knee

4. *EMBROIDERED BADGE*

- 4.1 Overstrand Fire and Rescue Services Badge on left breast

5. **THREADS**

To comply with relevant requirements of SANS 1362 “Sewing Threads”

5.1 Sewing Thread

- 5.1.1 Polyester and cotton core-spun or
- 5.1.2 Staple Polyester
- 5.1.3 Ticket No: 80 in both cases

5.2 Over locking Thread

- 5.2.1 A crimp – textured polyester thread
- 5.2.2 Ticket No: 80

6. **WORKMANSHIP**

- 6.1 The overalls shall be
 - 6.1.1 Cut and made with first-class workmanship throughout
 - 6.1.2 of uniform and acceptable make, colour and finish
- 6.2 Shall be free from:
 - 6.2.1 defects, that affect their appearances or may affect their serviceability (or both)
 - 6.2.2 marks
 - 6.2.3 spots
 - 6.2.4 stains, incurred in the making-up
- 6.3 Seams and stitches shall be:
 - 6.3.1 smooth and uniform
 - 6.3.2 free from twists, pleats and puckers
 - 6.3.3 sufficiently extensible to avoid seam cracking and undue shrinkage in use
- 6.4 Ends of sewing shall be:
 - 6.4.1 trimmed and loose threads removed
 - 6.4.2 back-tacked if unsecured (at least 15mm)
- 6.5 Points not defined in the specification that require assessing at inspection:
 - 6.5.1 is the front and back balanced correct?
 - 6.5.2 Are the pockets positioned correctly?
 - 6.5.3 Does the collar lay correctly?
 - 6.5.4 Are lines of top-stitching of consistent widths

7. **STYLE MAKE UP**

- 7.1 Sleeves shall have:
 - 7.1.1 an opening in the hind arm and close with a press stud
 - 7.1.2 Velcro adjustment strap positioned at the end of each sleeve
- 7.2 Waist adjustment straps shall
 - 7.2.1 be of double folded outer material
 - 7.2.2 square corners
 - 7.2.3 be of finished width (60mm)
 - 7.2.4 edge-stitched 2mm from the free edges
 - 7.2.5 be positioned at the side seam adjust to the front

8. **GENERAL**

- 8.1 The garment shall have no metal rivets.
- 8.2 The manufacturer must undertake to do repairs on a material cost basis.
- 8.3 The suit shall be constructed in such a way that damaged panels can be replaced.
- 8.4 **It is a condition of the tender that all tenders submit a SABS manufacturing Capability Report Certificate which is not older than twelve (12) months, which certifies the capability to manufacture the specific items tendered for with their tender. Failure to submit this report will render the tender null and void.**

Sizes: 92cm, 97 cm, 102 cm, 107cm, 112 cm, 117 cm, 122 cm, 128 cm, 137cm and special sizes. Special size suits shall be made to fit for individual personnel, where standard sized will not fit.

***Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender***

43.Cotton Jump Suit

This specification describes a jump suit to be used for normal operational use and vegetation fires.

1. **STYLE**

- 1.1 one piece jump suit
- 1.2 Front opening, fastening with a slide fastener – no Velcro. A fly catch at least 30mm wide to be fitted behind the stringer of the slide fastener
- 1.3 shirt type collar with lapel
- 1.4 back shall have a solid back
- 1.5 two breast pockets with angled slide fasteners
- 1.6 two side pockets in the trouser section
- 1.7 two thigh pockets at arms length above knee with pocket flap fastening with Velcro
- 1.8 pen pocket on the left sleeve
- 1.9 elasticized back waist with adjustment straps (see 7.2)

- 1.10 sleeves and trouser legs trimmed with fluorescent retro reflective tape (see par 3)
- 1.11 bottom leg opening with a slide fastener sufficient to fit over structural fire fighting boots

2. MATERIAL

- 2.1 The material shall consist of 100 % cotton
- 2.2 The weight of the material shall be 225 g/m²

3. REFLECTIVE TAPE

- 3.1 Retro-reflective fluorescent trims in accordance with the NFPA 1971 (2000) shall be fitted to the suit
- 3.2 All trims shall be 3M type 9487
- 3.3 The trims shall be 76.2mm wide on bottom and 48mm on arms.
- 3.4 All trims shall be double stitched
- 3.5 The colour of the trims shall be silver strip.
- 3.6 Be sewn around each sleeve – positioned 50mm above the elbow across the bicep
- 3.7 Be sewn around each trouser leg-positioned immediately below knee

4. EMBROIDERED BADGE

- 4.1 Overstrand Fire and Rescue Services Badge on left breast

5. THREADS

To comply with relevant requirements of SANS 1362 “Sewing Threads”

5.1 Sewing Thread

Polyester and cotton core-spun or
Staple Polyester
Ticket No: 80 in both cases

5.2 Overlocking Thread

- 5.2.1 crimp – textured polyester thread
- 5.2.2 Ticket No: 80

6. WORKMANSHIP

- 6.1 The coveralls shall be :
cut and made with first-class workmanship throughout
of uniform and acceptable make, colour and finish

6.2 Shall be free from:

defects, that affect their appearances or may affect their serviceability (or both)
marks
spots
Stains, incurred in the making-up

6.3 Seams and stitches shall be:

smooth and uniform
free from twists, pleats and puckers
sufficiently extensible to avoid seam cracking and undue shrinkage in use

6.4 Ends of sewing shall be:

trimmed and loose threads removed
back-tacked if unsecured (at least 15mm)

6.5 Points not defined in the specification that require assessing at inspection:

is the front and back balanced correct?
Are the pockets positioned correctly?
Does the collar lay correctly?
Are lines of top-stitching of consistent widths

7. STYLE MAKE UP

7.1 Sleeves shall have:
an opening in the hind arm and close with a press stud
Velcro adjustment strap positioned at the end of each sleeve

7.2 Waist adjustment straps shall
be of double folded outer material
square corners
be of finished width (60mm)
edge-stitched 2mm from the free edges
be positioned at the side seam adjust to the front

8. GENERAL

The garment shall have no metal rivets.
The manufacturer must undertake to do repairs on a material cost basis.
The suit shall be constructed in such a way that damaged panels can be replaced.

It is a condition of the tender that all tenderers submit a SABS manufacturing Capability Report Certificate which is not older than twelve (12) months, which certifies the capability to manufacture the specific items tendered for with their tender. Failure to submit this report will render the tender null and void.

Sizes shall be made in standards sizes: 92cm, 97 cm, 102 cm, 107cm, 112 cm, 117 cm, 122 cm, 128 cm, 137cm and special sizes. Special size suits shall be made to fit for individual personnel, where standard sized will not fit.

***Price per unit for the items / Please fill in at corresponding item number on Pricing schedule
Sample to be handed in with tender***