



Republic of the Philippines

Province of Pampanga

City of San Fernando

Office of the Bids and Awards Committee

## REQUEST FOR QUOTATION

(FM-CSFP-CGSO-39; Revision No.03; 04/01/2022)

Project Title : **Supply and Delivery of Personal Protective Gear to be used by the Bureau of Fire Protection personnel in the City of San Fernando, Pampanga**  
Location of the Project : **Bureau of Fire Protection**

Company Name

Date : **Jun 11, 2024**

PR No. : **2024-05-00921**

Address

Please quote your lowest price on the item/s listed below and submit your quotation duly signed by your representative not later than **Tuesday, June 18, 2024 10:00 AM** at **CGSO Building, City Civic Center, Alasas, City of San Fernando, Pampanga.**

Canvassed by:

Approved by:

Monalyn M. Aquino  
Administrative Aide VI (Buyer II)

Engr. Michael N. Quizon, Jr.  
BAC Chairperson

- NOTE:
1. ALL ENTRIES MUST BE READABLE
  2. DELIVERY PERIOD WITHIN \_\_\_\_\_ CALENDAR DAYS
  3. WARRANTY SHALL BE FOR A PERIOD OF SIX (6) MONTHS FOR SUPPLIES & MATERIALS, ONE (1) YEAR FOR EQUIPMENT, FROM DATE OF ACCEPTANCE BY THE PROCURING ENTITY
  4. PRICE VALIDITY SHALL BE FOR A PERIOD OF \_\_\_\_\_ CALENDAR DAYS

Item No.	Qty	Unit	Item Description	Remarks	Unit Price	Total
1	5	pc(s)	3 PCS Large Size Male Size COAT *Height Excluding Collar -820 (Tolerance $\pm$ 10mm) *Chest – 1350 (Tolerance $\pm$ 20 mm) *Sleeve Length – 620 (Tolerance $\pm$ 15 mm) *Shoulder Length (SHL)- 590 (Tolerance $\pm$ 10 mm) *Collar (CL) – 560 (Tolerance $\pm$ 15mm) *Arm Hole – 680 (Tolerance $\pm$ 10mm) TROUSER Waist after stretch out – 1155 (Tolerance $\pm$ 20mm) Height- 1050 (Tolerance $\pm$ 10mm) Inseam – 740 (Tolerance $\pm$ 10 mm) Bottom- 1340 (Tolerance $\pm$ 20mm)  2 Extra Large Male Size			



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<b>Item No.</b>	<b>Qty</b>	<b>Unit</b>	<b>Item Description</b>	<b>Remarks</b>	<b>Unit Price</b>	<b>Total</b>
			COAT *Height Excluding Collar-835 (Tolerance $\pm$ 10mm) *Chest – 1450 (Tolerance $\pm$ 20 mm) *Sleeve Length – 640 (Tolerance $\pm$ 15 mm) *Shoulder Length (SHL)- 610 (Tolerance $\pm$ 10 mm) *Collar (CL) – 580 (Tolerance $\pm$ 15mm) *Arm Hole – 720 (Tolerance $\pm$ 10mm) TROUSER Waist after stretch out – 1230 (Tolerance $\pm$ 20mm) Height- 1070 (Tolerance $\pm$ 10mm) Inseam – 760 (Tolerance $\pm$ 10 mm) Bottom- 1400 (Tolerance $\pm$ 20mm)			
2	10	pc(s)	Fire Gloves 5 Large 5 Extra Large			
3	15	pc(s)	Yellow Fire Helmet			
4	15	pc(s)	Fire Boots 2 pcs- Size 8 Female 3 pcs- Size 9.5 Male 5 pcs- Size 10 Male 5 pcs- Size 12 Male			
<b>Total Amount:</b>						

After having carefully read and accepted your General Conditions, I quote you on the item at prices noted above.



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**Supply and Delivery of Personal Protective Gear to be used by the Bureau of Fire Protection personnel in the City of San Fernando, Pampanga**

Location of the Project :

**Bureau of Fire Protection**

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Printed Name/ Signature

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Tel No./ Cellphone No.

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Date



Republic of the Philippines  
Department of the Interior and Local Government  
**BUREAU OF FIRE PROTECTION**  
City of San Fernando Fire Station  
Consunji St. Sto. Rosario, City of San Fernando, Pampanga  
Tel/Fax No: 961-2313/09438300818  
Email Add: csffirestation2313@gmail.com



## TERMS OF REFERENCE

### SUPPLY AND DELIVERY OF PERSONAL PROTECTIVE GEAR BE USED FOR BUREAU OF FIRE PROTECTION 2024

#### I. RATIONALE

The Bureau of Fire Protection City of San Fernando Fire Station has been providing 24/7 emergency rescue services for the City of San Fernando. BFP San Fernando caters to various rescue related, medical and non-medical emergencies daily on the top of rescue operations in the event of natural disasters.

This initiative according to the proclamation propagates safety consciousness among our people every day of the year as a positive preventive approach to a problem that can be solves by more caution and vigilance.

Personal Protective Gear (PPE) imposes a barrier between the wearer/user and the working environment. This is needed when there are hazards presents and has the serious limitation that it does

#### II. BUDGETARY REQUIREMENT

The Supply and Delivery of Personal Protective Gear (PPE) to be used for Bureau of Fire Protection 2024 amounting to **SEVEN HUNDRED FORTY-SEVEN THOUSAND FIVE HUNDRED (Php 747,500.00)** is included in the **2024 20% LGU SHARE FIRE PROTECTION PLANS AND BUDGET (FPPB) FY'S 2018, 2020, 2022** as implementing office/department.

#### III. OBJECTIVES

The objectives are as follows:

##### 1. FIRE COAT AND FIRE TROUSER SET

- A. A brand new Personal Protective Gear (PPE) made of high strength, fire, and heat resistant, waterproof, breathable and multi-layer fabrics materials essentially consisting of an outer shell and inner linings (moisture barrier and thermal barrier made of composite fabric materials in which the coat must be two-piece garments.
- B. It shall provide protection to upper torso, neck, arms and wrists, excluding the hands and head (coat); and to lower torso and legs, excluding ankles and feet (trouser).
- C. It's hardware shall not penetrate through the outer shell and inner linings to come into contact with the wearer's body when the coat and trouser are worn with the closures fastened, unless the hardware is completely covered by external closure flaps and/or the hardware is located on or above the waistline for the trouser. All garments hardware finish shall be free of rough spots, burrs, or sharp edges.

- D. The overall construction and features are primarily for the greater comfort and general safety of firefighters and shall be guided by the latest applicable standards of National Fire Protection Association (NFPA) and/ or European Norm (EN) and passing the specified performance test requirements in these specifications.

#### **IV. TECHNICAL REQUIREMENTS**

##### **A. MATERIAL**

###### **A.1 Outer Shell**

Flame Resistant and water repellent fabric, pre-shrunk, and firmly woven in rip stop weave with yarns plied, double and twisted for extra strength.

###### **A.2 Inner Linings**

Flame quits breathable inner (thermal) barrier sewn to a moisture barrier membrane material.

###### **A.3 Wristlet/ Sleeve Cuffs**

Made of fire-resistant materials.

###### **A.4 Collar and its Closure System**

Consist of an outer shell, moisture barrier and thermal barrier with the same materials as the coat and trouser. It is further lined with water repellent fire resistant material.

###### **A.5 Waistband**

Elasticized with Ultra Abrasion resistance nylon at the side.

###### **A.6 Straps/Suspenders**

Made of two (2) Ultra Abrasion resistance nylon webbing.

###### **A.7 Hanger Loop**

Made of high strength fabric

###### **A.8 Pads**

Made of flame and abrasion resistive fabric reinforced monochromatic.

###### **A.9 Pockets**

Made of the same material as the coat and trouser.

##### **B. CONSTRUCTION**

###### **B.1 INNER LININGS**

**B.1.1 Coat-** Retractable/detachable using snap type "Velcro" or its equivalent type as per manufacturers design.

**B.1.2 Trouser-** Configured as a single layer or multiple layers and have a means of sewing components to the outer shell. Extend a minimum to the waistline seam of the trouser and to within 75 mm of the bottom outer shell hems of the trousers.

###### **B.2 SHOULDER AND BACK YOKE**

Permanently reinforced from a point on the front the coat at 150 mm  $\pm$  10mm from the crown of the shoulder to a point on the back of the coat at 190 mm  $\pm$  from the collar by a double thickness of the cloth.

###### **B.3 SLEEVES**

Set-in with fitted shoulders and attached to the coat so that there is no restriction of arm movement and the wrist are covered when the arms raised above the head.

###### **B.4 WRISTLET**

Snug fitting rib-knitted black wristlet/sleeve cuffs attached to each sleeve.

###### **B.5 COLLAR**

The collar stands up and insulated with 80 mm  $\pm$  10 mm in height at any point, with a closure system. The lining will be next to the skin when the collar is in a closed position. The collar is snug fitting and comfortable and completely cover the neck and throat when in raised position. A strap of at least a minimum of 65 mm width x 160 mm length or at an appropriate proportion was sewn to the underside of the collar on the left side and shall be closed by a snap fastener. No snap has direct contact with the skin when the collar is in the closed position.

###### **B.6 WAISTBAND**

Equipped with adjustable heavy duty plastic buckle of 32 mm.

###### **B.7 STRAPS/ SUSPENDERS**

Equipped with quick release adjustable of 38 mm with padded shoulders, heavy duty thermoplastic buckle at the back and front and H-back or equivalent style detachable design suspenders.

#### **B.8 BODY STITCH AND SEAMS**

All seams are reinforced double stitched, at least two -piece heavy duty for coat's back seam, with fire/flame resistance thread treated for water proofing except for those high stress areas like collar line, sleeve line and side seam line (coat); buttocks line and waistline area (trouser) were triple stitched or other similar reinforced stitched of equivalent strength.

#### **B.9 STORM FLAP AND CLOSURE**

The storm flaps and closure systems are secured of snap type (VELCRO) fasteners constructed in a manner that provides continuous moisture and thermal protection and heavy-duty zipper of non-corrosive materials. At least a minimum of 135 mm  $\pm$  15 mm overlap when the front of the coat is closed.

#### **B.10 RETROREFLECTIVE TRIMS/ STRIPES AND MARKINGS**

A yellow permanent luminous "BFP" marking provided at the back of the coat. Yellow fluorescent and retro-reflective circumferential bands of trim/stripers at least 50 mm wide, permanently attached to the outer shell of the coat and trouser to meet visibility requirements. Provided around on the following areas of the outer shell for visibility enhancement:

C.9.1 Coat- One (1) stripe at the mid-level; one (1) stripe at the bottom level and one (1) stripe at the bottom level and one (1) stripe at each forearm

C.9.2 Trouser- One (1) stripe around each leg below knee area.

#### **B.11 HANGER LOOP**

Provided at the center back collar line (coat); center back waistline (trouser) for hanging and drying purposes. It is conspicuously hidden under the collar (coat); trouser when they are in use.

#### **B.12 PADS**

Size dimension of the shoulder, elbow and knee pads are proportionate to the schedule size and gender user of the coat and trouser. Both perimeters of knee pads are lock stitched for non-slip rugged performance for crawling, climbing, bending and kneeling. Leather reinforced cuffs provided for extended wear.

#### **B.13 POCKETS**

All pockets, with the same color of the coat and trouser, have snap strap closure system secured with snap type (VELCRO) fastener. A means of draining water and fastening them in the closed position are provided.

B.13.1 Coat – left & right outer breast pocket provisions of securing strap or loops for handheld radio and flashlight (at least 90mm  $\pm$  10mm x 200  $\pm$  10 mm). Two (2) cargo pockets (at least 240 mm  $\pm$  10 mm x 240 mm  $\pm$  10 mm) located on the lower exterior side of the coat with an overlapping cover (260 mm  $\pm$  10 mm x 100 mm  $\pm$  10 mm).

B.13.2 Trouser – Two (2) large thigh cargo pockets (250 mm x 250 mm x 25 mm)

#### **B.14 SIZES**

Firefighter's coat and trouser shall be available in all of the following ASIAN built sizes. (See Annex "A"- For size and Measurement of Fire Coat and Trouser)

Men : Extra Large, Large and Medium

Women: Medium and Small

#### **B.15 COLOR**

Dark Blue or Black

### **V. TESTING REQUIREMENTS**

#### **D.1 Test Samples**

As part of the acceptance and ensure compliance with the technical specification, the manufacturer/supplies shall provide **three (3) pairs of coat and trousers** over and above the

contracted quantity representing the delivered lot as specimen samples to be randomly sampled during delivery as well as additional one (1) meter swatches (outer shell and inner linings) and three (3) pieces hardware/ parts/ components like zipper to be subjected to all of the specified performance tests cited in item D.2

#### **D.2 Performance Test**

##### **D.2.1 Flammability Test**

D.2.1.1 After flame and afterglow  $\geq$  two (2) seconds

D.2.1.2 Char length 101 mm maximum

##### **D.2.2 Water Penetration (Impact Penetration) and Absorption Test**

No water penetration through 3-layer fabric.

##### **D.2.3 Tensile/ Shearing Test**

D.2.3.1 Coat- Tensile strength in the neck/collar ( $>51$ kgf), shoulder seam ( $>51$ kgf), armpit seam ( $>25.5$ kgf) and side seam (12.75kgf).

##### **D.2.4 Metallic Parts Corrosion Test (if any)**

##### **D.2.5 Thermal Resistance Test**

Test to 185 °C and fabric shall not ignite, melt, drip or shrink more than 5%.

##### **D.2.6 Dimensional Change Test**

Not more than 3%

##### **D.2.7 Fabric Abrasion Resistance Test**

Minimum of 30,000 movements.

##### **D.2.8 Fabric material tear strength level Test**

At least or greater than 25 Newton.

#### **E. WARRANTY**

**Minimum one (1) year Warranty**

## **2. FIREFIGHTER'S BOOTS**

A brand-new **FIREFIGHTER'S BOOTS** made of multi-layered premium grade natural rubber or poly-rubber materials, essentially consisting of a sole with heel, upper shaft with lining, and insole with a puncture-resistant device and an impact and compression-resistant toecap that is permanently attached. The boots shall be 100 % waterproof, with cut, puncture, heat, chemical, flame, corrosion, and electrical resistance features.

The boots are light weight, flexible, durable and overall height is graduated by size for greater comfort. It has extra thick grip sole for adhesive like traction and thick side guards for added protection. No metal parts or accessories are utilized in the attachment of the sole with heel to the puncture-resistant devices, insole or upper shaft. The puncture-resistant device covers the maximum area of the insole allowed by the construction of the footwear. Incorporated metal parts shall not penetrate outside into the lining or insole at any point.

#### **J. INNER LINING**

Over-all design and construction features are guided by referral standards of such as the National Fire Protection Association (NFPA) and/or American Society for Testing and Materials (ASTM) and/or European Norms (EN) that ensure substantial equivalence for structural firefighting purposes and passing the specified performance tests requirements in this specification.

## TECHNICAL REQUIREMENTS

### A. MATERIALS

Made of multi-layered premium grade natural rubber or poly-rubber materials.

### B. TOE

Protected by a safety steel toecap and shall not slip out of place or cut into sole under impact. It is also sponge cushioned for toe comfort.

### C. HEEL

Heel area is of comfort fit, designated to hold the heel snugly in place and eliminating "heel-slip". It is not more than 25mm high.

### D. INSOLE

A thick cushioned insole generally made of knitted nylon-fabric or equivalent headed to the material in the heel of the felt-lined boots. It guards against the break-up and oiling of feet in heel area that causes blisters and infections.

### E. MIDSOLE

Equipped with a flexible stainless-steel midsole, contour molded for foot fit and protects against punctures. It is provided with a minimum of 10 millimeters of felt midsole to absorb heat and cold for maximum comfort.

### F. OUTSOLE

Outsole configuration is of Tractor-thread type.

### G. SHAFT

Shaft is made of a premium grade poly-rubber compound with inner lining from top to toe for heat resistance and comfort. The shaft is properly sized straight cut to minimize leg exposure and makes donning bunker pants/trouser easier.

### H. SHIN

A built-in sponge or equivalent materials is provided to protect the shin. It is designed to absorb and distribute damaging bumps and blows, and eliminate pressure caused when using a leg ladder lock.

### I. INSULATION

Polyfoam type insulation is provided to protect entire foot from burns and blisters.

### J. INNER LINING

A heat resistant fabric inner lining is provided for safety and comfort of the user.

### K. LOOPS

Loops made of rubber or of better material is provided to allow proper control, grip and ease in donning in the boots.

### L. COLORS

Over-all color of the shell is Opaque Black. It has a yellow stripe for toecap, toe, mid sole and top line for maximum visibility.



**M. HEIGHT**

As per manufacturer's standards.

**N. WEIGHT**

As per manufacturer's standard.

**O. SIZES**

Available in all of the following US sizes or equivalent European or UK sizes that can accommodate the actual Asian sizes.

Men's: 7-13 including half sizes and a minimum of three widths;

Women's: 5-10 including half sizes and minimum of three widths.

**P. MARKINGS**

**P.1 Name of Manufacturer**

**P.2 Country of Origin**

**P.3 Type and or Model**

**P.4 Month and Year of Manufacturer**

**P.5 Lot Number**

**P.6 Boots size**

**P.7 Permanent marking carrying the word "BFP" at the exterior side of the boots shaft.**

**Q. TESTING REQUIREMENTS**

**Q.1 Test Samples**

As part of the acceptance and to ensure compliance with the technical specifications the manufacturer/ supplier shall provide three (3) pairs of boots men's size quantity "9" for representing US or its equivalent in European Country (CEN) over and above the contracted quantity representing the delivered lot as specimen samples to be randomly sampled during delivery to be subjected to all of the specified performance test cited in item Q.2.

**Q.2 Performance Test**

**Q.2.1 Impact Resistant Test**

**Q.2.2 Compression Test**

**Q.2.3 Sole Puncture Test**

**Q.2.4 Electrical Resistance (Electrical Insulation) Test**

**Q.2.5 Flammability (Flame Resistance) Test**

**R. WARRANTY**

Minimum of one (1) year warranty.

**I. OTHER REQUIREMENTS**

The Bidder/Supplier/Manufacturer shall provide the following during post-qualification stage: