

Request For Information (RFI)

RFI Number: RFI/OPS/PPE/2025/07

Date of Issue	20 July 2026
Closing Date & Time	03 August 2026 @16h00
Compulsory Briefing/Site Session Date & time	N/A
N/A	

Responses to be submitted to: Mphumzim@ppecb.com on or before 03 August 2026 at 16h00.



PPECB

www.ppecb.com

1 INVITATION

The PPECB invites interested Bidders to submit a completed Request for information (RFI) document for The Supply and Delivery of Personal Protective Equipment to the PPECB. The intended duration is for 3 years with the option to renew for 2-years

This RFI is an information gathering and market-testing exercise, intended only to inform and assist the PPECB's further planning and development of a specification for the competitive tender process.

PPECB aims to obtain indicative prices, timelines as well as information regarding different solutions offered by the market. Respondents are required to provide documentation detailing their different offerings around functionality, indicative pricing, and requirements to assist the PPECB.

2 SCOPE OF TERMS OF REFERENCE

The PPECB is to appoint a service provider that will be able to supply and deliver Personal Protective Equipment to the PPECB. This is a qualifying RFI - Only the service providers who responded will be included in the Request for Proposal/ Competitive tender stage.

The service providers to submit their detailed proposal with all the scope of work to be completed.

3 COMPANY BACKGROUND

The PPECB is a Schedule 3A entity in terms of the Public Finance Management Act 1 of 1999. The PPECB is established in terms of Section 2 of the Perishable Products Export Control Act 9 of 1983. The main purpose of the PPECB is to promote the orderly, efficient, and sustainable export of perishable products from South Africa. The PPECB manages and monitors the cold chain for the export of perishable products from South Africa. The PPECB operates under two mandates, namely the Agricultural Products Standards Act and the Perishable Products Standards Act 9 of 1983.

4 SCOPE OF WORK

4.1 Supply and Delivery of Personal Protective Equipment (PPE)

PPECB

Respondent Information

Item	Details
Company Name	
Registration Number	
VAT Number	
Contact Person	
Position	
Email Address	

Telephone Number	
Physical Address	

4.1 Company Profile

[Provide a brief overview of your company, years in operation, geographic coverage, key clients, and experience in supplying and delivering PPE.]

Core Capabilities

- Supply of certified PPE.
- National distribution and delivery capability.
- Consignment stock and inventory management.
- Custom branding and embroidery services.
- Occupational Health and Safety compliance support.

4.2 PPE Product Offering

Provide details of PPE products available, including:

Protective Wear Specification

The appointed service provider (the Bidder) will be responsible for the supply and delivery of personal protective equipment (PPE), including but not limited to freezer jackets, white lab coats, and reflective vests, to PPECB offices across the country.

THERMAL FREEZER SUIT (JACKET & TROUSERS)

Scope & Operational Environment

- **Operating Temperature Range:** -1°C to -6°C (Light Freezing Zone).
- **Shift Duration / Exposure:** 4 to 6 hours continuous exposure (subject to statutory rest cycles).
- **Application Environment:** Perishable food product handling, processing, and cold storage.

Statutory & Statutory Compliance Standards

The garment must strictly carry certified compliance and markings for the following national and international frameworks:

- **SANS 342 / EN 342:** Protective clothing against cold environments.
- **DoH Regulation R638:** General hygiene requirements for food premises and the handling of food.
- **Act 85 of 1993 (OHSA):** Environmental Regulations for Workplaces, Section 2 (Cold Environments).

Garment Structural Design & Ergonomics

Jacket Architecture

- **Length:** Extended jacket length reaching mid-thigh to prevent riding up during physical lifting.
- **Back Panel:** Kidney-protection dropped back hem to eliminate cold air gaps when bending.
- **Collar:** High-insulated stand-up collar lined with anti-pill thermal fleece.

- **Cuffs:** Heavy-duty, concealed internal elasticated or ribbed storm cuffs to form an airtight seal inside gloves.

Trousers Architecture

- **Style:** High-rise bib-and-brace (salopette) design to ensure chest and lower back coverage.
- **Straps:** Heavy-duty elasticated shoulder braces with non-metallic, low-profile quick-release buckles.
- **Leg Openings:** Concealed lower-leg ankle zippers with external touch-and-close (Velcro) flaps to facilitate easy dressing over safety boots.

Material Specifications & Layering Composition

- **Outer Shell:** Minimum **210D to 300D Oxford Nylon** or high-density Polyester. Must be windproof, abrasion-resistant, and feature a water-repellent/polyurethane (PU) coating to prevent condensation absorption.
- **Thermal Insulation (Wadding):** Single-layer or quilted double-layer bonded polyester fill with a minimum density of **160g/m² to 200g/m²**.
- **Quilting:** Vertical or diamond structural quilting to guarantee the insulation fill remains locked in place and cannot sag or gather after industrial laundering.
- **Inner Lining:** Breathable, moisture-wicking 100% polyester taffeta or technical lining to prevent sweat accumulation over 6 hours.
- **Food Safety & Contamination Prevention (Regulation R638)**
5 To prevent physical contamination of perishable products, the following manufacturing constraints are non-negotiable:
 - **Fasteners:** No exposed buttons, snap studs, or metal zipper teeth are permitted on the exterior of the garment above the waist.
 - **Closure System:** The main jacket front closure must feature a heavy-duty resin/nylon vislon zipper, completely covered by an external fabric storm flap secured via continuous hook-and-loop (Velcro) tape.
 - **Pockets:** Zero external breast or upper-sleeve pockets are allowed. Lower hand-warmer pockets must be internal or safely angled down with secure flap closures. No open pouches.

Performance Ratings & Testing Certifications

Bidder documentation must verify the following laboratory metrics:

- **Thermal Insulation (I_{cler}):** Minimum certified value of **0.310 to 0.350 m²·K/W** (tested to SANS 342).
- **Air Permeability (Wind Resistance):** Class 3 (Highest tier protection under EN 342).
- **Water Vapour Resistance (Breathability):** Class 2 or higher to permit perspiration escape during physical labour.



HACCP-COMPLIANT INSPECTION & THERMAL LAB COATS (WHITE)

- **Scope:** For Laboratory Technicians and Chief Inspectors operating in labs, packhouses, and cold storage (-1°C to -6°C) for 4–6 hour shifts.
- **Material & Thermal Layering:**
 - **Outer Shell:** White, minimum 210gsm high-density, lint-free Polyester/Cotton blend (65/35) or mechanical stretch filament polyester. Must be treated with a durable water-repellent (DWR) coating to resist cold-room condensation.
 - **Detachable Thermal Liner:** Must include an internal, zip-out quilted thermal liner (120g/m² to 150g/m² bonded polyester wadding) to provide insulation down to -6°C.
- **Closure / Zip:** Heavy-duty nylon zipper, **completely concealed** by a full-length fabric storm flap secured via continuous hook-and-loop (Velcro) tape. No exposed metal or plastic teeth permitted above the waist.
- **Pockets:** **Strictly zero exterior pockets.** One internal pocket on the left breast and two internal lower pockets, accessible only by unzipping the main front storm flap.
- **Sleeves:** Long sleeve only. Must terminate in **concealed, internal elasticated or ribbed storm cuffs** to prevent loose fabric hazards and seal out cold air.
- **Reflective Strip:** High-visibility retro-reflective silver tape (50mm width) compliant with SANS 20471 Class II, stitched flat around the waist and upper arms (crucial for inspectors working near packhouse forklifts).
- **Branding / Embroidery:** PPECB Logo on the left breast in navy. Must be executed via high-durability heat-sealed transfer OR stitched using continuous monofilament thread with a fused backing to prevent fraying/linting.
- **Sizing & Labelling:** Bidder must accommodate all sizes from Super Small (SS) up to 4x-Extra Large (4XL) and above. Size labels must be sewn flat inside the back collar with no hanging or dangling edges.

CATEGORY 2: ACID-RESISTANT LABORATORY COATS (NAVY BLUE)

- **Scope:** For Laboratory Technicians handling hazardous chemicals (e.g., Sulphuric Acid testing).
- **Material:** Navy-blue, heavy-duty poly-cotton or cotton canvas treated with a certified **SANS 1424 Acid-Resistant and Liquid-Repellent finish** capable of neutralizing and repelling sulphuric acid splashes.
- **Closure / Zip:** Heavy-duty nylon zipper, completely concealed by an acid-deflecting fabric storm flap with continuous Velcro closure.
- **Pockets:** One internal left breast pocket. If lower pockets are required, they must feature a secure, **downward-facing fabric flap** with full Velcro sealing to prevent chemical liquids from pooling inside the pocket.

- **Sleeves:** Long sleeve only, terminating in adjustable Velcro tabs or elasticated cuffs to ensure a tight seal over chemical-resistant glove.
- **Branding / Embroidery:** PPECB Logo on the left breast in white and employee name on the right breast in white, applied via chemical-resistant heat transfer or tight-bound embroidery with protective backing.
- **Sizing & Labelling:** Bidder must accommodate all sizes from Super Small (SS) up to 4x-Extra Large (4XL) and above. Size labels must be sewn flat inside the collar.

SPECIAL LOGISTICS & PACKAGING CLAUSES (APPLIES TO BOTH CATEGORIES)

- **Logistics & Sorting:** The successful bidder must pack and sort orders strictly according to the specific regional PPECB office that placed the order. Deliveries must be made directly to the respective regional offices across South Africa.
- **Primary Packaging:** Each individual lab coat must be folded neatly and sealed within an individual, clean, transparent plastic bag (polybag) to protect the garment from dust, moisture, and contamination during transit and warehouse storage before being packed into bulk outer delivery boxes.

CATEGORY 2: ACID-RESISTANT LABORATORY (TROUSER AND JACKET NAVY BLUE) FOR FEMALE AND MALE OR EQUIVALENT

Scope: For Laboratory Technicians handling hazardous chemicals (e.g., Sulphuric Acid testing).

- **Material:** Navy-blue, heavy-duty poly-cotton or cotton canvas treated with a certified **SANS 1424 Acid-Resistant and Liquid-Repellent finish** capable of neutralizing and repelling sulphuric acid splashes.
- **Closure / Zip:** Heavy-duty nylon zipper, completely concealed by an acid-deflecting fabric storm flap with continuous Velcro closure.
- **Pockets:** One internal left breast pocket. If lower pockets are required, they must feature a secure, **downward-facing fabric flap** with full Velcro sealing to prevent chemical liquids from pooling inside the pocket.
- **Sleeves:** Long sleeve only, terminating in adjustable Velcro tabs or elasticated cuffs to ensure a tight seal over chemical-resistant glove.
- **Branding / Embroidery:** PPECB Logo on the left breast in white and employee name on the right breast in white, applied via chemical-resistant heat transfer or tight-bound embroidery with protective backing.
- **Sizing & Labelling:** Bidder must accommodate all sizes from Super Small (SS) up to 4x-Extra Large (4XL) and above. Size labels must be sewn flat inside the collar.

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- **Primary Packaging:** Each individual lab coat must be folded neatly and sealed within an individual, clean, transparent plastic bag (polybag) to protect the garment from dust, moisture, and contamination during transit and warehouse storage before being packed into bulk outer delivery boxes.



HACCP-COMPLIANT HIGH-VISIBILITY REFLECTOR VESTS

Scope & Operational Environment

- **Operating Zones:** Outdoor fruit packing pads, high-volume shipping and container loading bays, internal packhouse corridors, and low-light cold storage facilities.
- **Target Personnel:** PPECB Chief Inspectors and field technicians working near moving machinery, hazardous vehicle traffic (forklifts, container reach stackers, and haulage trucks), and sorting lines.

Statutory & Food Safety Compliance

The garment must be certified and labelled in accordance with the following regulatory frameworks:

- **SANS 20471 / EN ISO 20471 (Class 2):** High-visibility clothing — Test methods and requirements for professional use.
- **DoH Regulation R638:** General hygiene requirements for food premises and the handling of food (Zero-contamination design).
- **HACCP Certification:** Structure and trim must feature zero potential loose components or drop-hazards.

Material, Textile & High-Visibility Specifications

- **Background Material:** 100% High-Density Warp-Knitted Polyester fabric (minimum weight 120gsm to 150gsm). The fabric must be inherently lint-free, anti-fray, and structured to withstand heavy industrial laundering.
- **Colour Options:**
 - **Option A: High-Visibility Lime/Green** (Standard field inspectors).
 - **Option B: High-Visibility Orange** (Specialised rail/port or designated hazardous zones).
 - **Reflective Tape Configuration:** Must utilize premium Micro-Prismatic (Wipe-Clean)" Tape.
 - **Pattern:** Double-hoop horizontal bands around the torso, coupled with vertical braces extending over both shoulders to ensure 360-degree visibility from all viewing angles (including when an inspector is bending down).

Food Safety & Entanglement Mitigation Engineering (HACCP / R638)

- **Concealed Fasteners:** Absolutely **no exposed buttons, metal snap studs, or exposed zipper teeth** are permitted on the exterior of the vest.
- **Primary Closure:** The front opening must be secured via a heavy-duty nylon/resin zipper, which must be **completely concealed** by a full-length fabric storm flap. The storm flap must be held shut by continuous, industrial-grade hook-and-loop (Velcro) tape.

- *Alternative (Strict HACCP Option):* A continuous, heavy-duty front Velcro closure with a minimum 40mm width interface and a secure, non-fraying edge stitch.
- **The "Zero Exterior Pocket" Rule:** To completely eliminate the risk of loose items dropping into open fruit bins or processing machinery, **exterior pockets of any kind (including open pouches, clear plastic ID slots, pen slots, or cell phone pockets) are strictly banned.**
- **Internal Storage:** A maximum of one internal pocket is permitted on the lower inside lining, accessible only when the vest is fully unfastened.
- **Seam Integrity:** All edge seams must be finished with heavy-duty polyester bias binding. The binding must be dual-stitched with continuous monofilament thread to guarantee zero loose threads, pilling, or fraying.

Corporate Branding & Identification

- **Embroidery Constraints:** Standard loose thread embroidery is prohibited on the chest area due to fraying risks.
- **Application Method:** The **PPECB Logo** must be applied to the left breast via high-durability, commercial-grade **heat-sealed vinyl transfer** or high-density screen print using non-toxic inks.
- **Designation:** The words "CHIEF INSPECTOR" or "TECHNICIAN" must be heat-sealed across the upper back panel in high-contrast black block lettering for instant identification on busy facility floors.

Sizing, Labelling & Logistics

- **Size Scaling:** The bidder must accommodate the full range of personnel sizing, spanning from **Super Small (SS) up to 6x-Extra Large (6XL)** to allow the vest to be worn loosely over bulky winter freezer jackets when entering cold rooms.
- **Labelling:** Size labels must be heat-transferred or sewn completely flat inside the back neck line with no dangling tags.
- **Logistics & Packing:** Orders are to be packed by the supplier according to the specific regional PPECB office that placed the order and delivered directly to that relevant regional office.
- **Primary Packaging:** Each individual reflector vest must be folded flat and packed inside a transparent, sealed plastic polybag before being packed into bulk outer delivery cartons to prevent dust and contamination during transport.

Material & High-Visibility Specifications: The retro-reflective tape must be a premium **smooth-surface Micro-Prismatic vinyl/polyurethane type** compliant with SANS 20471. Exposed glass-bead or fabric-backed woven reflective tapes are strictly prohibited. The tape surface must be entirely non-porous and wipe-clean to prevent the encapsulation of dirt, grease, and organic plant juices."



High visible vest for fire fighters



- Colour: Red with Fire Marshal on the back and on the left breast
- Reflective Strip: Vest to have a reflective strip as shown in the picture.
- Zip: Vest to have a zip
- The bidder is to accommodate all size requirements including super small and above 4 x Extra Large

TWO-PIECE CONTI SUITS

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National Standards:

- Garment Design & Construction: Must strictly conform to SANS 434 (Latest Edition) for protective clothing.
- Fabric Performance Standards: Must comply with SANS 1387-4 (Material Type: J54 Drill).
- Local Production and Content: In line with Preferential Procurement Regulations, the textile and garment industry carries a mandatory 100% Local Content threshold. Bidders must complete and submit the MBD 6.2 Declaration Certificate along with Annexures C, D, and E. [1]

Fabric Specifications (SANS 1387-4)

- Material Composition: 100% Cotton Drill (J54) to ensure breathability, skin safety in agricultural/food zones, and basic thermal properties.
- Mass per Square Meter: 220g/m² to 260g/m² (Heavy duty, industrial weight).
- Finish: Pre-shrunk to prevent shrinking during hot-water laundering.

Jacket Design & Construction (SANS 434)

- Style: Single-breasted, open-neck collar with a relaxed fit.
- Front Closure: Concealed, heavy-duty YKK (or equivalent) brass zip. Plastic zips are not acceptable.
- Seams: All stress seams must be triple-needle chain-stitched using high-tensile polyester-wrapped cotton thread.

- Pockets:
 - One (1) breast pocket on the left-hand side with a V-flap and concealed press-stud closure.
 - Two (2) lower front patch pockets with reinforced corner bar-tacks.
- Cuffs: Plain, open cuffs (or adjustable press-stud cuffs).

Trousers Design & Construction (SANS 434)

- Style: Traditional industrial utility trousers.
- Waistband: Half-elasticated back waistband for comfort and freedom of movement during inspection tasks.
- Fly Closure: Heavy-duty brass zip with a single top button closure.
- Seams: Triple-stitched in-seams and back-rise seams.
- Pockets:
 - Two (2) deep side-slant pockets.
 - One (1) right-rear patch pocket with bar-tack reinforcement.
 - One (1) tool/ruler pocket on the right leg.

High-Visibility & Reflective Striping

To ensure inspector safety in high-traffic logistics environments, shipping ports, and packing facilities:

- Tape Type: 50mm wide silver reflective tape on a lime green background fabric base.
- Placement:
 - Jacket: Circumferential bands around both upper arms.
 - Trousers: Circumferential bands around both lower legs (below the knee).

TWO-PIECE WATERPROOF RAIN SUIT

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National and International Standards:

- Garment Design, Sizing & Construction: Must conform to SANS 434 (Latest Edition) to guarantee standardised sizing across the range.
- Water Penetration Resistance: Fabric and seams must be tested and certified to SANS 20811 (ISO 20811) for resistance to water penetration under hydrostatic pressure.
- Local Production and Content: In line with Preferential Procurement Regulations, the textile and garment industry carries a mandatory 100% Local Content threshold. Bidders must complete and submit the MBD 6.2 Declaration Certificate along with Annexures C, D, and E.

Fabric & Material Specifications

- Material Composition: Heavy-duty Polyester base fabric, coated externally with a uniform layer of Polyvinyl Chloride (PVC) or Polyurethane (PU).
- Fabric Thickness: Minimum 0.32mm to 0.40mm to ensure industrial-grade tear resistance while remaining flexible in cold-chain environments.
- Performance Attributes: 100% Waterproof, 100% Windproof, fungus-resistant, and chemically stable when exposed to agricultural moisture.
- Breathability: Fabric formulation or design must incorporate moisture vapour transmission properties to minimise internal condensation and sweat buildup.
- Colour: [Specify: Navy Blue / Safety Yellow] – Must be uniform throughout the batch.

Jacket Design & Construction

- Style: Full-length rain jacket with an integrated hood.
- Seams: 100% Heat-sealed or high-frequency welded seams. Stitched-only seams without internal waterproof taping are strictly prohibited.
- Hood: Integrated or fold-away hood with an adjustable drawstring and toggle closure to secure a tight seal around the face.

- Front Closure Protection: Heavy-duty, corrosion-proof nylon zipper, protected by a double storm flap secured with heavy-duty plastic snap-buttons or Velcro to prevent wind-driven water ingress.
- Cuffs: Internally elasticated storm cuffs or external Velcro adjustment tabs to prevent water running up the inspector's arms when arms are raised.
- Ventilation: Concealed mesh-lined ventilation back-flap and underarm aeration eyelets to allow heat dissipation.
- Pockets: Two (2) lower front pockets with storm flaps to prevent water entry.

Trousers Design & Construction

- Style: Pull-on, high-rise utility rain trousers.
- Seams: 100% Heat-sealed or high-frequency welded seams on the in-seams, outer-seams, and crotch rise.
- Waistband: Fully elasticated waistband for maximum comfort, ease of movement, and rapid donning over standard workwear.
- Ankles: Adjustable snap-button or gusseted openings at the leg hems to allow trousers to be easily pulled over industrial gumboots or safety shoes.

High-Visibility & Reflective Striping

To maintain inspector visibility in dark loading bays, orchards, and port environments:

- Tape Type: 50mm wide retro-reflective tape, EN ISO 20471 compliant.
- Placement:
 - Jacket: One horizontal band around the chest, one horizontal band around the waist, and circumferential bands around both upper arms.
 - Trousers: Circumferential bands around both lower legs.

WOMEN'S TWO-PIECE POLYCOTTON OVERALL SET

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National Standards:

- Garment Design & Sizing Construction: Must strictly conform to SANS 434 (Latest Edition) for protective clothing, tailored to a female pattern cut.
- Fabric Performance Standards: Must comply with SANS 1387-2 (Material Type: Polyester and Cotton blended fabric).
- Local Production and Content: In line with Preferential Procurement Regulations, the textile and garment industry carries a mandatory 100% Local Content threshold. Bidders must complete and submit the MBD 6.2 Declaration Certificate along with Annexures C, D, and E.

Fabric & Material Specifications

- Material Composition: 65% Polyester / 35% Cotton blend (Polycotton).
- Fabric Mass: 200g/m² to 240g/m² (Lightweight, highly breathable, and durable for all-day wear).
- Fabric Properties: High tensile strength, high tear resistance, wrinkle-resistant, and chemically stable for industrial laundering.
- Colour: Navy Blue (Uniform batch dye, high colour-fastness to light and washing). [1, 2, 3]

Women's Jacket Design & Construction (SANS 434)

- Style: Single-breasted, open-neck collar, specifically contoured to a women's functional industrial fit to allow ease of movement. [1]
- Sleeve Options (Per Set Requirement):
 - Bidders must supply a mix of Short Sleeve and Long Sleeve designs as specified in the pricing schedule.
 - Cuffs on long-sleeve options must be plain or adjustable.
- Front Closure: Concealed, heavy-duty YKK (or equivalent) brass zip or high-impact resin zip with storm flap cover.
- Seams: All stress seams must be triple-needle chain-stitched using high-tensile polyester thread.
- Pockets:

- One (1) chest pocket with a V-flap and concealed press-stud closure.
- Two (2) lower front patch pockets with reinforced corner bar-tacks.

Women's Trousers Design & Construction (SANS 434)

- Style: Women's cut utility trousers, contoured at the hips for a functional, non-restrictive fit.
- Waistband: Fully elasticated or half-elasticated waistband to guarantee comfort, flexibility, and secure fit during inspection tasks. [1]
- Fly Closure: Heavy-duty zip with a single top button closure.
- Seams: Triple-stitched in-seams, outer-seams, and back-rise seams.
- Pockets:
 - Two (2) deep side-slant pockets.
 - One (1) right-rear patch pocket with bar-tack reinforcement.

Standardised Sizing Matrix (SANS 434 Benchmark)

Garments must be supplied according to the following metric sizing parameters:

- Small (S): To fit Bust 86–91 cm | Waist 66–71 cm
- Medium (M): To fit Bust 92–97 cm | Waist 72–77 cm
- Large (L): To fit Bust 98–103 cm | Waist 78–83 cm
- X-Large (XL): To fit Bust 104–109 cm | Waist 84–89 cm
- XX-Large (XXL): To fit Bust 110–115 cm | Waist 90–95 cm

WOMEN'S POLYCOTTON CLEANING PINAFORE (TABARD)

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National Standards:

- Garment Design & Construction: Must conform to the structural manufacturing standards of SANS 434 (Latest Edition) to guarantee stitch density and durability. [1]
- Fabric Performance Standards: Must comply with SANS 1387-2 (Material Type: Polyester and Cotton blended fabric for superior lifespan during industrial washing).
- Local Production and Content: In line with Preferential Procurement Regulations, the textile and garment industry carries a mandatory 100% Local Content threshold. Bidders must complete and submit the MBD 6.2 Declaration Certificate along with Annexures C, D, and E.

Fabric & Material Specifications

- Material Composition: 65% Polyester / 35% Cotton blend (Polycotton).
- Fabric Mass: 200g/m² to 235g/m² (Durable, medium weight).
- Fabric Properties: High resistance to abrasion, wrinkle-resistant, and treated with standard soil-release properties to resist stains from cleaning chemicals.
- Colour: Navy Blue (Uniform batch dye, resistant to fading from detergents).

Pinafore Design & Functional Construction

- Style: Two-piece wrap-around tabard style or sleeveless over-front pinafore design, engineered specifically for female cleaning and domestic tasks.
- Coverage: Full front and back coverage panels to fully protect the wearer's under-garments from water and chemical contact.
- Side Closures: Heavy-duty, reinforced fabric tie-straps (or adjustable press-stud tabs) on both the left and right sides to allow adjustable waist fitment and quick release.
- Neckline: Comfortable, low-cut V-neck or round scoop-neck contouring to prevent chafing during physical movement.
- Seams: All raw edges must be fully hemmed. Main structural stress seams must be double-needle stitched or overlocked with high-tensile polyester thread to prevent fraying.
- Pockets:
 - Two (2) deep, reinforced lower front patch pockets (split utility pocket layout) to hold cleaning cloths, spray bottles, and essentials.
 - Pocket mouths must be reinforced with bar-tacks at the corners to prevent tearing under load. [1]

Standardised Sizing Matrix (SANS 434 Benchmark)

Garments must be supplied according to standard South African women's sizing parameters:

- Small (S): To fit sizes 32–34
- Medium (M): To fit sizes 36–38
- Large (L): To fit sizes 40–42
- X-Large (XL): To fit sizes 44–46
- XX-Large (XXL): To fit sizes 48–50

HACCP-COMPLIANT MULTI-ENVIRONMENT SAFETY SHOES/ BOOTS

Scope & Operational Environment

- **Operating Zones:** Wet agricultural packhouse floors, chemical processing laboratories, container loading docks, and low-temperature cold storage facilities (-1°C to -6°C).
- **Exposure Profile:** Prolonged standing and walking on cold concrete surfaces during 4 to 8-hour continuous inspection shifts.
- **Target Personnel:** PPECB Field Inspectors and Laboratory Technicians requiring simultaneous protection against moisture, extreme slips, chemicals, and sub-zero thermal degradation.

Statutory & Regulatory Certifications

The footwear must be independently tested and permanently stamped with the following certified safety marks:

- **SANS 20345 / ISO 20345 (S3 Rated):** Personal protective equipment — Safety footwear (Highest safety tier).
- **CI (Cold Insulation) Certification:** Must feature the official "CI" stamp, certifying that the boot prevents internal temperature drop in sub-zero environments.
- **SRC Slip Resistance:** Must achieve the maximum SRC rating (tested for slip resistance on both ceramic tile wetted with sodium lauryl sulfate and stainless steel with glycerol).
- **HACCP Design Principles:** Smooth external surfaces with zero deep-set creases or excessive decorative stitching that could trap food particles, organic pulp, or biological bacteria.
- **Must be SABS approved**

Upper Material & Food Safety Construction

- **Body Material:** Premium, full-grain water-resistant leather or specialized breathable synthetic microfiber. Fabric must be pre-treated with a hydrophobic coating to withstand high-pressure water splashes in packhouse washing zones.
- **Hardware and Lacing (HACCP Constraint):** No open metal lace hooks, eyelets, or buckles are permitted, as they can break off or accumulate organic debris. Footwear must utilize **concealed, non-metallic composite eyelets** or an integrated speed-dial closure hidden beneath a smooth protective leather flap.
- **Lining:** Breathable, moisture-wicking technical lining (e.g., *Thinsulate* or equivalent thermal membrane with a minimum weight of 200g/m²). This traps warm air while actively pulling sweat away from the foot to prevent inner freezing during long shifts.

Sole Unit & Slip Prevention

- **Sole Composition:** Standard single-density PU is strictly prohibited. The outer sole must be constructed from a **Dual-Density Rubber/Polyurethane (PU) blend** or a **Nitrile Rubber compound**. This material must remain soft and flexible at -6°C to retain grip.
- **Tread Pattern:** Self-cleaning, wide-groove tread pattern designed to actively expel water, agricultural mud, and organic fruit pulp with every step.
- **Chassis:** Anti-static and fuel/oil resistant.

Toe and Midsole Protection (Thermal Engineering)

- **Toecap:** Traditional steel toecaps are strictly prohibited. The boot must utilize an **Asymmetrical Composite (Non-Metallic) Toecap** rated to 200 Joules. Composite material creates a thermal break that stops cold air from transferring into the toe box.
- **Midsole Protection:** Must feature a flexible, lightweight **penetration-resistant textile/Kevlar midsole** instead of steel, protecting inspectors from upward punctures (e.g., stray nails from wooden fruit crates) without transferring floor-chill into the boot.

Logistics, Sizing & SANS Woolen Sock Mandate

- **Size Availability:** The bidder must provide a full size run from **UK Size 3 up to UK Size 14**, including half-sizes where requested, to comfortably fit both male and female personnel.

- **Statutory Sock Issue:** In accordance with South African Environmental Regulations for Workplaces, each pair of boots must be delivered with **two pairs of SABS-approved heavy-duty thermal woolen socks** (or technical equivalent) to ensure correct thermal fitment

PACKHOUSE INSPECTION RESPIRATORY MASKS (FFP2)

- **Scope:** For field inspectors operating in packhouses, loading docks, and agricultural holding facilities.
- **Protection Level:** Strictly **FFP2** classification. Must provide a minimum filtration efficiency of **94%** against both solid and liquid airborne particulate matter (including fine organic dust, citrus spores, crop fungi, and airborne allergens).
- **Statutory Certifications:**
 - Must be certified to **SANS 50149:2003 / EN 149:2001** (Filtering half masks to protect against particles).
 - **Mandatory:** The bidder must provide proof of **NRCS Homologation** and the manufacturer's active **"AZ" approval number**.
- **Food Safety / HACCP Engineering:**
 - **Staple-Free Construction:** Elastic headbands must be ultrasonically welded or stitched directly to the mask matrix. The use of metal staples for strap fastening is **strictly prohibited** to prevent food product contamination.
 - **Lint-Free Liner:** Inner face lining must be smooth and non-fraying to prevent micro-fibers from shedding into inspection zones.
- **Ergonomics & Comfort:**
 - Must feature a **pre-shaped, adjustable nose clip** lined with soft foam to ensure a tight, custom facial seal without causing skin bruising over long shifts.
 - Must include a low-resistance **exhalation valve**. This valve vents warm exhaled air, which is critical for preventing the inspector's safety glasses or shields from fogging up during active movement.

LABORATORY REUSABLE CHEMICAL RESPIRATORS

- **Scope:** For Laboratory Technicians conducting chemical testing, acid titrations (e.g., Sulphuric Acid), and handling volatile organic compounds (VOCs).
- **Architecture:** Half-mask dual-cartridge reusable respirator molded from soft, medical-grade silicone or thermoplastic elastomer for an airtight seal.
- **Cartridge Specification:** Must utilize a multi-range **ABEK1-P3 combination filter cartridge** system. This provides simultaneous, tested protection against:
 - Organic gases/vapours (**A**).
 - Inorganic gases and **Acid Vapours/Sulphuric Acid fumes (B & E)**.
 - High-efficiency particulate filtration (**P3**—99.95% efficiency against hazardous chemical dusts).
- **Certifications:** Mask body must be certified to **SANS 50140 / EN 140**; filter cartridges must be certified to **SANS 50143 / EN 143**, and carry valid NRCS approval.

SPECIAL LOGISTICS & PACKAGING CLAUSES (APPLIES TO BOTH CATEGORIES)

- **Logistics & Sorting:** The successful bidder must pack and sort orders strictly according to the specific regional PPECB office that placed the order. Deliveries must be made directly to the respective regional offices across South Africa.
- **Primary Packaging (HACCP Rule):**
 - **For FFP2 Masks:** Masks must be delivered in their original manufacturer boxes, but each mask inside the box must be **individually sealed in a hygienic plastic wrapper** to prevent moisture or dust contamination prior to field deployment.
 - **For Lab Respirators:** Each reusable mask shell and each pair of filter cartridges must be individually packed in air-tight, transparent plastic bags.

INDUSTRIAL SAFETY HARD HATS (TYPE 1)

Scope & Operational Environment

- Operating Zones: Industrial packing facilities, container shipping docks, rail terminals, overhead pallet racking zones, and low-temperature cold storage units (-1°C to -6°C).
- Target Personnel: PPECB Chief Inspectors and field technicians requiring protection from falling objects, overhead structure impacts, and low-clearance storage configurations.

Statutory & Regulatory Certifications

The industrial safety helmet must hold verified compliance and carry permanent stamps for:

- SANS 1397 / EN 397: South African National Standard for Industrial Safety Helmets.
- NRCS Homologation: The bidder must submit official proof of NRCS approval and a valid homologation certificate for the exact model being tendered.
- HACCP Design Alignment: The shell must feature a smooth, non-porous exterior with no top ventilation slots or open holes to prevent biological contaminants, dust, or condensation water drips from passing through onto the worker's head or into food lines.

Structural Materials & Shock Absorption

- Outer Shell: Injection-molded from high-impact Acrylonitrile Butadiene Styrene (ABS) or High-Density Polyethylene (HDPE). The material must be UV-stabilized to prevent degradation from sun exposure on outdoor loading pads, and it must retain its full impact strength at sub-zero temperatures down to -10°C.
- Internal Suspension System: A premium 6-point webbed textile suspension harness (not plastic) to absorb and evenly distribute downward vertical impact forces across the skull.
- Sweatband: A replaceable, hypoallergenic, moisture-wicking foam front sweatband to prevent sweat from running into the inspector's eyes.

Fitment, Comfort & Security

- Adjustment Mechanism: Must feature an ergonomic Wheel Ratchet Adjustment System located at the nape of the neck. This system must allow the worker to adjust the circumference fit from 53cm to 64cm smoothly with one hand, even while wearing thermal gloves.
- Retention / Retention Retention (Chin Strap): Every helmet must be fitted with an adjustable, integrated 4-point chin strap featuring a quick-release buckle. This guarantees the helmet remains firmly anchored to the head when looking down at ground pallets or when exposed to high-velocity blast fans in cold rooms.
- Integrated Slots: Universal 30mm accessory side slots must be present to allow the modular clipping-on of PPECB earmuffs or clear chemical face shields.

Corporate Branding & Sizing Logistics

- Colour: Solid White for Chief Inspectors and high-visibility Yellow or Orange for field technicians.
- Corporate Application: The PPECB Logo must be applied to the front center of the helmet shell via a high-durability, UV-resistant, non-peeling vinyl decal or permanent screen print.
- Logistics & Packaging: Hard hats must be delivered fully assembled (harness installed). Orders must be sorted and boxed by the supplier according to the specific regional PPECB office that placed the order. Each helmet must be enclosed in a protective clear plastic bag within the outer delivery carton.

HIGH-PERFORMANCE SAFETY GOGGLES & EYE PROTECTION

Scope & Operational Environment

- Operating Zones: Volatile chemical testing laboratories (acid titrations), high-dust agricultural packhouses, outdoor fruit loading pads, and sub-zero cold storage units (-1°C to -6°C).
- Target Personnel: Laboratory Technicians and Chief Inspectors requiring absolute protection against chemical liquid splashes, fine organic dust, airborne agricultural spores, and impact from flying debris.

Statutory & Regulatory Certifications

The eyewear must hold independent laboratory certifications and carry permanent laser-etched stamps on both the frame and the lens for the following standards:

- SANS 166 / EN 166 (Class 1 Optical): Personal eye-protection — Specifications. Must carry the Class 1 rating for highest optical clarity, ensuring zero distortion during prolonged inspection shifts or precision laboratory tasks.
- Mechanical Impact Rating: Must be certified to EN 166 Medium Energy Impact (Level B), capable of resisting the impact of a 6mm steel ball traveling at 120 m/s.
- Liquid Splash Certification (Code 3): Frames must be certified to EN 166 Code 3 for protection against liquid droplets and chemical splashes.
- Dust Protection Certification (Code 4): Must carry EN 166 Code 4 certification for sealing against coarse dust and large particulate matter.

Lens Performance & Coating Technologies

- Material Construction: Premium injection-molded Polycarbonate (PC) lens offering an unrestricted, wide-angle panoramic field of view (minimum 180-degree side visibility).
- Anti-Fog Coating (Mandatory Coding): The lens must be permanently chemically bonded on the *inside* surface with an ultra-high performance anti-fog coating certified to EN 166 "N" rating (Resistance to fogging). This is non-negotiable to prevent lens misting when inspectors step from warm packhouses into -6°C freezers.
- Anti-Scratch Coating (Mandatory Coding): The outer lens surface must carry a hard-coat layer certified to EN 166 "K" rating (Resistance to surface damage by fine particles) to withstand abrasive agricultural dust and harsh laboratory cleaning wipes.
- Radiation Filter: Certified to EN 170 (UV400 protection), blocking 99.9% of harmful ultraviolet rays.

Ventilation & Food Safety Engineering (HACCP Alignment)

- Ventilation Architecture (Indirect Only): Traditional direct-vented goggles with open holes are strictly prohibited. The goggle must utilize an Indirect Ventilation System. The vents must feature tortuous-path baffle caps that allow continuous air circulation to reduce heat and fog build-up, while completely blocking the direct straight-line entry of chemical liquid splashes or fine airborne dust.
- HACCP Component Security: Headband adjustment buckles and ventilation caps must be permanently molded or ultrasonic welded into the frame structure. No small, detachable plastic pins or metallic components are permitted, eliminating the risk of components breaking off into perishable food lines.

Ergonomics, Comfort & Prescription Integration

- Face Seal: The frame body must be molded from a highly flexible, medical-grade, hypoallergenic Thermoplastic Elastomer (TPE) or PVC that adapts smoothly to different facial contours. It must maintain its flexibility and seal integrity at sub-zero cold room temperatures without stiffening or causing pressure sores.
- Prescription Glasses Compatibility (OTG): The frame design must feature dedicated side-recesses to function as an Over-The-Glasses (OTG) system, allowing the goggles to fit comfortably over standard prescription spectacles without pressing the spectacles into the worker's face.
- Headband: Wide, adjustable, elasticated headband. The strap must be made of a high-rebound synthetic fiber that resists chemical degradation and can be adjusted securely via a low-profile rear tension system (one-size-fits-all).

Logistics, Labelling & Packaging

- Labelling: Every goggle frame and lens must be permanently laser-engraved with the manufacturer's identification mark, the SANS/EN 166 mark, and the applicable compliance codes (e.g., Manufacturer 1 B 3 4 K N CE).
- Logistics & Sorting: Bidders must pack and distribute orders sorted according to the specific regional PPECB office that placed the order, delivering directly to those offices.
- Hygienic Packaging: Each individual pair of safety goggles must be packaged inside a protective, microfiber drawstring cleaning pouch, which must then be sealed inside a transparent plastic polybag before bulk packing. This protects the technical coatings from friction scratch damage during transit.

WIDE-VISION SAFETY GOGGLES

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National and International Standards:

- Personal Eye Protection Standard: Must be tested, approved, and certified to SANS 1404-2 or SANS 50166 (EN 166:2001) for industrial eye protection.
- Optical Quality Standard: Must meet Optical Class 1 requirements (distortion-free for continuous, all-day wear without eye strain).
- Impact Resistance Standard: Must carry a minimum rating of Grade B (Medium energy impact protection against high-speed particles at 120 m/s).

Lens & Optical Performance Specifications

- Material Composition: High-grade, optically clear Polycarbonate (PC) or Cellulose Acetate. [1, 2]
- Vision Profile: Ergonomic, wide panoramic lens wrap design offering 180-degree unrestricted lateral/side visibility.
- Anti-Fog Performance (Mandatory for Cold Chain): Permanent, high-performance Anti-Fog coating on the inner surface (certified to EN 166 Symbol N). The lens must remain mist-free when transitioning between hot ambient air and cold-room inspection facilities.
- Scratch & Chemical Resistance: Hard-coated, scratch-resistant outer surface (certified to EN 166 Symbol K) to withstand abrasive dust and laboratory chemical cleaning agents.
- UV Radiation Protection: Integrated UV filters offering complete protection up to UV 400 (blocking 100% of harmful UVA and UVB rays).

Frame, Comfort & Ventilation Construction

- Frame Body: Soft, highly flexible, and ergonomic Vinyl/PVC frame housing that contours perfectly to the face to create a gas-tight, liquid-droplet proof seal (certified to EN 166 Field of Use: 3 for liquids and 4 for large dust particles).
- Prescription Eyewear Compatibility: The frame architecture must feature an Oversized OTG (Over-The-Glasses) design, allowing the goggle to fit comfortably over standard prescription spectacles without creating pressure points on the temple.
- Ventilation Architecture: Integrated indirect ventilation system. The vents must be designed to channel air across the lens to reduce internal heat buildup while remaining physically shielded to block chemical splashes or flying debris from entering from above.
- Headband Adjustment: Wide, heavy-duty, latex-free elasticated headband attached via pivoting clips to ensure even pressure distribution. Must be easily adjustable to fit all head sizes securely.

For the inserts, these are the standards captured in a table for you Mphumzi. (Optional if you want to insert into the tender document):

INDUSTRIAL RECHARGEABLE LED HEADLAMP WITH MOTION SENSOR

Scope & Operational Environment

- Operating Zones: Low-light cold storage rooms (-1°C to -6°C), dark container loading docks, overnight rail freight terminals, and shaded inspection bays.
- Exposure Profile: Intermittent and continuous use over 4 to 6-hour shifts. The device must be designed to withstand severe thermal transitions (moving between hot humid packhouses and sub-zero freezers) without internal electronic failure.
- Target Personnel: PPECB Chief Inspectors and field technicians requiring hands-free illumination while carrying inspection clipboards, tablets, or handling fruit boxes.

Statutory, Safety & Ingress Certifications

The electronic device must hold certified laboratory testing documentation and carry permanent markings for the following international safety and environmental standards:

- SANS 60529 / IEC 60529 (Minimum IP65 Ingress Rating): Must hold a verified IP65 rating or higher. This certifies that the casing is completely dust-tight and fully sealed against high-pressure water splashes and, crucially, against the internal condensation that forms when entering cold storage.

- CE / RoHS Compliance: Certified safe from hazardous substances and electromagnetic interference with other packhouse electronic scales or testing machinery.

Battery System & Thermal Engineering

- Battery Chemistry: Built-in, high-performance Lithium-Polymer (Li-Po) or low-temperature optimized Lithium-ion battery. Standard commercial batteries degrade rapidly in the cold; the specified battery must feature a low-temperature circuit layout.
- Sub-Zero Runtime: The battery must deliver a certified continuous runtime of at least 4 hours on MAXIMUM brightness and up to 10 hours on low mode when operating continuously in an environment between -1°C and -6°C.
- Charging Interface: Fully sealed, integrated USB Type-C charging port. The port must feature a heavy-duty, permanently attached silicone rubber sealing cap to prevent moisture or dust ingress when not charging.

LED Lighting & Optical Performance

- Light Engine: Energy-efficient Cree LED (or technical equivalent) delivering a minimum output of 300 to 500 Lumens on high mode.
- Optical Modes: The device must offer a dual-beam system:
 - Spotlight Mode: Focused beam with an illumination distance of at least 50 meters for examining deep container stacks or high pallet racking.
 - Floodlight / COB Mode: Wide, uniform, non-glare beam for close-up fruit quality grading and paperwork checking.
- Dimming Tiers: High, Medium, Low, and an emergency Strobe mode.

Motion Sensor & Ergonomic Control

- Sensor Technology: Integrated dual-infrared motion sensor activated by a dedicated secondary button.
- Gloved Operation: The sensor must reliably toggle the light ON or OFF with a single wave of a hand within a 10cm to 15cm range from the lens. The sensor must be calibrated to function perfectly when the inspector is wearing heavy, dark-colored SANS 511 thermal gloves.
- Manual Override: Primary mechanical button must be rubberized and tactilely oversized so it can be depressed easily by heavily gloved fingers.

Food Safety & Entanglement Engineering (HACCP Alignment)

- Low-Profile Design: Traditional heavy, protruding "bulbo" lenses that shift on a hinge can snap when frozen. The headlamp must utilize a low-profile, ultra-lightweight (under 100g total weight including battery) ergonomic curved design that sits flat against the forehead or helmet.
- HACCP Component Integrity: No small, brittle plastic pins or detachable clips are permitted. The housing must be drop-resistant from a height of 1.5 meters onto concrete without shattering.
- Headband Security: Wide, heavy-duty, anti-slip elasticated headband woven with continuous silicone rubber grip-strips on the inner side. This prevents the strap from slipping or sliding off when stretched over glossy industrial safety hard hats or thick fabric balaclavas.

Logistics, Labelling & Packaging

- Accessories: Each headlamp must be supplied complete with one heavy-duty USB-C charging cable and a minimum of four (4) secure hard-hat mounting clips.
- Logistics & Sorting: The successful bidder must pack and sort orders according to the specific regional PPECB office that placed the order, delivering directly to those regional facilities.
- Hygienic Primary Packaging: Each headlamp, charging cable, and mounting clip set must be packed together inside a protective, sealable, transparent plastic bag before being boxed for bulk shipping to ensure no dust or warehouse moisture spoils the internal electronic circuits.

REUSABLE RESPIRATORY PROTECTION

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National and International Standards:

- Facepiece Compliance: Half-masks and facepieces must be tested, certified, and compliant with SANS 50140:1998 / EN 140:1998.
- Filter & Cartridge Compliance: Gas, vapour, and combined particulate filters must be tested and certified to SANS 5014387 / EN 14387.

- Compulsory Registration: Bidders must submit a valid NRCS Letter of Authority (LOA) certificate issued by the National Regulator for Compulsory Specifications for each mask body offered.

Line Item 1: Reusable Single Half-Mask Facepiece

- Design Profile: Lightweight, low-maintenance single-port configuration featuring a low-profile construction to ensure it does not impede the field of vision when worn with wide-panoramic safety goggles.
- Material: Non-allergenic, medical-grade molded elastomeric compound or silicone body to ensure a robust facial seal and prevent skin irritation during prolonged wear.
- Harness & Straps: Adjustable four-point cradle head harness paired with a quick-release neck strap buckle to ensure even pressure distribution.
- Exhalation Valve: Equipped with a central, low-resistance exhalation valve to minimize moisture, heat, and carbon dioxide buildup inside the mask facepiece.
- Connector Type: Must feature a standardized thread or bayonet connection mechanism compatible with approved protective filters.

Line Item 2: Reusable Twin (Double) Half-Face Mask Respirator

- Design Profile: Dual-filter/twin-cartridge architecture designed to distribute weight evenly across the face, reducing neck strain during extended inspection shifts.
- Fit Compatibility (Over-The-Glasses): The nasal bridge section must be swept back and low-profile to comfortably clear prescription eyewear and SANS 50166 wide-vision safety goggles without causing seal leaks.
- Facial Seal: Deep, soft thermoplastic elastomer (TPE) or silicone face seal contouring to diverse facial structures to pass standard negative/positive pressure fit tests.
- Sizing Availability: Must be bid across three distinct size configurations: Small (S), Medium (M), and Large (L) to safely protect a diverse workforce.

Line Item 3: Gas & Vapour Filter Cartridges (3M Reusable Series / Equivalent)

- Compatibility: Filters must feature a high-security secure-click or bayonet-style connection mechanism engineered for seamless interface with the supplied twin half-masks (or direct matching fitment for 3M 6000/7000 series mask frames).
- Protection Matrix & Colour Coding: Cartridges must comply with EN 14387/SANS 5014387 classifications:
 - Type A (Brown band): Protection against organic gases and vapours with a boiling point above 65°C (e.g., standard solvents, agricultural fumigants, organic airborne compounds).
 - Type B (Grey band): Protection against inorganic gases and vapours.
 - Type E (Yellow band): Protection against acid gases (e.g., sulphur dioxide, hydrochloric acid).
- Service Life Indicator: Cartridges must feature structural markings indicating manufacturing batch codes and formal expiry parameters to ensure strict laboratory/field compliance.

ULTRA-HIGH PROTECTION LABORATORY CHEMICAL GLOVES (ACID-PROHIBITION TIER)

Scope & Hazard Mitigation

- Operating Hazards: Direct handling, pipetting, and titration of highly concentrated acids, specifically Sulphuric Acid (H_2SO_4) up to 98% concentration, Nitric Acid, and hazardous laboratory reagents.
- Target Personnel: PPECB Laboratory Technicians and Quality Assurance officers handling volatile liquids where a splash or spill presents a severe chemical burn risk.

Non-Negotiable Statutory & Breakthrough Certifications

The glove must be explicitly certified as a Type A Heavy Chemical Barrier and carry the following permanent laser-etched stamps on the cuff:

- SANS 50374-1:2016 / EN ISO 374-1:2016 (Type A): Protective gloves against dangerous chemicals and micro-organisms. The glove must carry the certified chemical code letters L, M, and N directly under the EN ISO 374 pictogram:
 - Code L: Sulphuric Acid 96%–98% (Critical)
 - Code M: Nitric Acid 65%
 - Code N: Acetic Acid 99%
- Permeation Breakthrough Time (Class 6): The manufacturer specification sheet must prove an independent laboratory testing rating of Class 6 breakthrough time (>480 minutes / 8 Hours)

continuous immersion) against Sulphuric Acid (H_2SO_4) 96%). Standard Class 2 or 3 (30–60 mins) gloves are rejected.

- SANS 50388 / EN 388:2016 (Mechanical Protection): Minimum mechanical performance rating of 3110X to guarantee high puncture and tear resistance, preventing the glove from snagging or tearing on laboratory glassware and apparatus.

Advanced Material Engineering & Construction

To completely prevent acid penetration, the glove must utilize a multi-layer composite or heavy polymer matrix. Standard single-dip thin nitrile is strictly prohibited. Acceptable material variations are:

- Option 1: Multi-Layer Neoprene-over-Nitrile Composite. A chemically bonded outer layer of heavy Neoprene (which blocks concentrated acids) over an inner layer of durable Nitrile.
- Option 2: Heavy-Duty 100% Neoprene or Butyl Rubber. Minimum thickness must be between 0.65mm and 0.75mm (nearly double the thickness of standard lab gloves) while maintaining ergonomic finger flexibility.

Safety Architecture & Food Safety Integration (HACCP)

- Extended Gauntlet Cuff: The glove must feature an extended gauntlet safety cuff with a minimum total glove length of 350mm to 380mm. This ensures the glove extends all the way up the forearm to the elbow, preventing acid from splashing into the sleeve of the Navy Acid-Resistant Lab Coat.
- Looped/Rolled Cuff Edge: The cuff must terminate in a rolled bead edge to act as a liquid trap, stopping acid droplets from running down the sleeve when a technician raises their arm.
- Inner Liner: Must feature a comfortable, integrated, sanitized cotton flock lining. This absorbs hand sweat, preventing internal moisture from compromising the technician's grip on delicate glass beakers or pipettes.
- Grip Texture: The palm and fingers must feature an aggressive raised diamond, sandpatch, or pebble texture to ensure a non-slip, secure grip when handling wet or chemically coated laboratory apparatus.
- Contamination Control (HACCP): 100% silicone-free and powder-free to eliminate any chemical contamination of export-grade agricultural samples.

Sizing, Labelling & Individual Packaging

- Size Profile: Must be supplied in exact, individual hand measurements to ensure a tight, dexterous fit: Size 7 (S), Size 8 (M), Size 9 (L), Size 10 (XL), and Size 11 (XXL). Loose, baggy sizing is a safety hazard during chemical handling.
- Packaging Mandate: Due to the critical safety nature of these gloves, each pair must be individually sealed in a dark, UV-protective plastic pouch with the expiration date and EN 374 chemical matrices clearly printed on the outer packet. Bidders must sort deliveries according to the specific regional PPECB ordering offices.

HAND & HEARING PROTECTION (100% LATEX-FREE)

Mandatory Regulatory & Statutory Framework

Bidders will be automatically disqualified if they fail to prove compliance with the following National and International Standards:

- Mechanical Glove Standard: Must be tested and certified to SANS 50388 / EN 388.
- Thermal Heat Glove Standard: Must be tested and certified to SANS 50407 / EN 407.
- Cold Environment Glove Standard: Must be tested and certified to SANS 50511 / EN 511.
- Chemical Glove Standard: Must be tested and certified to SANS 50374 / EN ISO 374-1.
- Hearing Protection Standard: Must be tested and certified to SANS 50352 / EN 352 and carry a valid NRCS Letter of Authority (LOA). [[1](#), [2](#), [3](#), [4](#), [5](#)]

Hand Protection Specifications

Line Item 1: Mechanical Cut Level 5 Gloves

- Application: For high-risk inspection areas, handling wooden crates, pallets, and metal strapping.
- Performance Matrix (SANS 50388 / EN 388): Must achieve a minimum rating of 4X43E or 4543 (Abrasion: 4, Cut Resistance: 5 / Level E, Tear: 4, Puncture: 3).
- Construction: High-Performance Polyethylene (HPPE) or glass-fibre engineered seamless knit liner, coated on the palm and fingertips with a high-grip polyurethane (PU) or nitrile layer. Must be 100% latex-free.
- Sizing Availability: Small (S), Medium (M), Large (L), X-Large (XL).

Line Item 2: Heat-Resistant Silicone Gloves

- Application: For handling hot laboratory equipment, sterilization units, or agricultural processing machinery.
- Performance Matrix (SANS 50407 / EN 407): Minimum rating of X2XXXX for contact heat (capable of withstanding surface contact temperatures up to 250°C for a minimum of 15 seconds).
- Construction: 100% Food-grade, BPA-free silicone outer shell with a soft inner cotton lining for moisture absorption and thermal insulation. Must feature non-slip textured surfaces on the palm and fingers. Must be 100% latex-free.
- Sizing Availability: Small (S) to X-Large (XL).

Line Item 3: Synthetic Thermal Freezer Gloves (100% Latex-Free)

- Application: For inspectors operating inside cold rooms, blast freezers, and refrigerated shipping containers.
- Performance Matrix (SANS 50511 / EN 511): Minimum rating of 02X (Convective cold: 0, Contact cold: 2, Water permeability: X).
- Mechanical Strength (SANS 50388 / EN 388): Minimum rating of 3221X to ensure high abrasion and tear resistance when handling frozen crates.
- Construction: Heavy-duty, flexible synthetic Nitrile or Polyurethane (PU) micro-foam coating on a seamless, double-insulated thermal liner (brushed acrylic, fleece, or Thinsulate™ loop-pile interior) to effectively trap body heat down to -20°C. Strictly zero natural rubber latex allowed.
- Grip Profile: The palm coating must feature a textured, sandy, or micro-cup finish to maintain a secure, non-slip grip on wet, frosted, or icy surfaces.
- Sizing Availability: Small (S) to X-Large (XL).

Line Item 4: Chemical-Resistant Nitrile Gloves

- Application: For laboratory pesticide testing, chemical handling, and sanitation tasks.
- Performance Matrix (SANS 50374 / EN ISO 374-1: Type A or B): Must provide a breakthrough time of >30 minutes against a minimum of 3 to 6 regulated industrial/agricultural chemicals.
- Construction: 100% Nitrile compound, minimum thickness of 0.38mm, featuring a flock-lined cotton interior to reduce hand sweat and improve comfort during extended wear. Must be 100% latex-free.
- Sizing Availability: Small (S), Medium (M), Large (L), X-Large (XL).

Hearing Protection Specifications

Line Item 5: Industrial Hearing Protectors (Earplugs / Earmuffs)

- Performance Matrix (SANS 50352 / EN 352): Must provide a Single Number Rating (SNR) attenuation of at least 26dB to 32dB depending on the specific noise hazard profile.
- Option A (Disposable/Reusable Earplugs): Hypoallergenic, slow-recovery polyurethane foam or medical-grade pre-molded silicone, equipped with a high-visibility cord. Must be 100% latex-free.
- Option B (Earmuffs): High-impact ABS ear cups fitted with soft PVC/liquid-filled sealing cushions, attached to an adjustable, padded stainless steel or dielectric headband ensuring even clamping force.

Head Protection / Hygiene

- Mop Cap (21" navy, double elastic)
 - HACCP compliant (food safety environments)
 - ISO 22000 / FSSC 22000 (if used in food industry)

REGULATION 7 FIRST AID KIT – OFFICE PREMISES

Scope & Statutory Framework

- Compliance Mandate: The first aid kit must strictly comply with Regulation 7 of the General Safety Regulations under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).
- Risk Profile: Low-to-medium risk administrative office environment, executive desks, and visitor spaces.

Container & Housing Specifications

- Casing Design & Architecture: Must be an industrial-grade, heavy-duty emergency medical response backpack designed specifically for rapid portability during facility evacuations. [1, 2]
- Material Strength: Constructed from a minimum of 600D to 1000D water-resistant, tear-proof Ripstop Nylon or heavy-duty Polyester with a polyurethane (PU) internal coating to protect contents from rain, dust, and laboratory chemical vapors during transit.

Prescribed Content Manifest (Office Premises Configuration)

The bidder must supply the complete first aid kit containing the following exact items and quantities:

Primary First Aid Wound & Dressing Content

- 1 x Antiseptic wound cleaner (100ml spray bottle)
- 10 x Swabs for wound cleaning
- 1 x Cotton wool for padding (100g)
- 1 x Gauze swabs 75mm x 75mm (Pack of 5)
- 2 x Sterile gauzes (Pack of 5)
- 1 x Forceps for splinters (Stainless steel)
- 1 x Bandage Scissors (Stainless steel)
- 1 x Safety pins (12 per pack)
- 4 x Non-woven Triangular bandages
- 4 x Conforming bandages 75mm
- 4 x Conforming bandages 100mm
- 1 x Plaster Roll 25mm x 3m
- 10 x Assorted Plasters (Strictly Blue, Waterproof, HACCP Metal-Detectable for food environment safety)
- 1 x Elastic adhesive plasters
- 1 x Non-allergenic tape 25mm x 3m
- 4 x First aid dressing 75mm x 100mm (No. 3)
- 4 x First aid dressing 150mm x 200mm (No. 5)
- 2 x Plastic Interlocking splints
- 4 x Large Medical Examination Gloves (Strictly Powder-Free, Allergen-Free Nitrile — *Latex is prohibited to maintain food safety standards*)
- 2 x CPR mouth pieces (fitted with unidirectional check valves)
- 1 x Burnshield / Hydrogel cooling burn dressing (10cm x 10cm)

Integrated Absorbent Material Fluid Spillage Module (1 x Full Spill Kit Content)

- 2 x 6g Absorbent / Disinfecting Granules (Biocide/Chloride compound)
- 1 x Pack of heavy-duty paper towels
- 4 x Medical-grade Nitrile Examination Gloves
- 1 x Biohazard Disposal Bag (Heavy-duty yellow impervious plastic) with secure tie closure

HIGH-SECURITY REGULATION 7 FIRST AID KIT – ISO 17025 LABORATORY PREMISES

Scope & Integrated Safety Framework

- Compliance Mandate: Must simultaneously satisfy Regulation 7 of the General Safety Regulations (OHSA) and the environmental/safety risk-mitigation criteria of ISO/IEC 17025.
- Risk Profile: High-hazard chemical testing laboratory environment involving concentrated acids, organic solvents, automated centrifuges, and delicate precision glassware.
- Primary Objective: Immediate, onsite molecular neutralizing of acid splashes to prevent irreversible tissue necrosis (chemical burns) and permanently mitigate Injury on Duty (IOD) recursion.

Container, Housing & Contamination Engineering

- Casing Design & Architecture: Must be an industrial-grade, heavy-duty emergency medical response backpack designed specifically for rapid portability during facility evacuations. [1, 2]
- Material Strength: Constructed from a minimum of 600D to 1000D water-resistant, tear-proof Ripstop Nylon or heavy-duty Polyester with a polyurethane (PU) internal coating to protect contents from rain, dust, and laboratory chemical vapors during transit.

Core Prescribed Medical Manifest (Base Content)

The kit must contain the complete core baseline of the Regulation 7 manifest, modified with strict food-chain and laboratory material constraints:

Primary Wound Treatment & Hemostatic Material

- 1 x Antiseptic wound cleaner (100ml spray bottle — alcohol-free)
- 10 x Swabs for wound cleaning (Sterile)
- 1 x Cotton wool for padding (100g)
- 1 x Gauze swabs 75mm x 75mm (Pack of 5)
- 2 x Sterile gauzes (Pack of 5)
- 1 x Forceps for splinters (Stainless steel medical-grade)
- 1 x Bandage Scissors (Stainless steel heavy-duty tuff-cut shears)
- 1 x Safety pins (12 per pack)
- 4 x Non-woven Triangular bandages
- 4 x Conforming bandages 75mm
- 4 x Conforming bandages 100mm
- 1 x Plaster Roll 25mm x 3m (Zinc Oxide high-adhesion)
- 20 x Assorted Plasters (Strictly Blue, Waterproof, HACCP Metal-Detectable to prevent food export sample contamination)
- 1 x Elastic adhesive plasters (75mm x 4.5m)
- 1 x Non-allergenic tape 25mm x 3m
- 4 x First aid dressing 75mm x 100mm (No. 3)
- 4 x First aid dressing 150mm x 200mm (No. 5)
- 2 x Plastic Interlocking splints (Limb immobilization)
- 8 x Large Medical Examination Gloves (Strictly Powder-Free, Latex-Free Extra-Thick Nitrile to completely mitigate latex allergen cross-contamination of laboratory samples)
- 2 x CPR mouth pieces (with integrated one-way breathing check valves)
- 2 x Hydrogel Burn Dressings (*Burnshield* or equivalent cooling gel dressing — 10cm x 10cm)

Integrated Absorbent Material Fluid Spillage Module (1 x Full Kit Inside)

- 2 x 6g Absorbent / Disinfecting Granules (Chloride-free polymer solidifying compound)
- 1 x Pack of heavy-duty industrial absorbent paper towels
- 4 x Extra-thick Nitrile Examination Gloves
- 1 x Biohazard Disposal Bag (Heavy-duty yellow impervious plastic) with secure tie closure

25L CHEMICAL / HAZARDOUS ACID BUCKET SPILL KIT

Scope & Operational Environment

- Operating Zones: Volatile chemical testing laboratories (acid titration zones), chemical storage rooms, and packhouse chemical dosing lines.
- Target Hazards: Rapid containment, absorption, and neutralization of high-volume liquid chemical spills, specifically concentrated Sulphuric Acid (H_2SO_4) up to 98%, Nitric Acid, caustic cleaning agents, and chemical laboratory reagents.
- Operational Capacity: Engineered to fully absorb and safely encapsulate up to 25 Litres of aggressive fluid spills on a concrete or laboratory floor.

Statutory & Regulatory Framework

The spill kit construction, internal absorbents, and chemical marking protocols must strictly comply with the following national and international frameworks:

- SANS 10228: The identification and classification of dangerous goods for transport (South African National Standard for Class 8 Corrosive Substances).
- ISO 45001:2018: Occupational health and safety management systems (Risk-mitigation and emergency response alignment).
- National Environmental Management: Waste Act (Act 59 of 2008): Governing the safe containerisation, labeling, and legal disposal of hazardous chemical waste in South Africa.

Container & Drum Specifications

- Housing Type: Heavy-duty, high-density industrial Polyethylene (HDPE) cylindrical bucket or drum with a total internal volume of at least 25 to 30 Litres.
- Chemical Resistance: The bucket material must be 100% impervious to chemical corrosion and must not degrade when packed with acid-soaked waste.
- Lid Mechanism: Heavy-duty, watertight screw-top lid or lever-lock ring seal lid. This ensures the bucket is completely airtight to prevent moisture from ruining the internal absorbents over time, and serves as a secure, leak-proof hazardous waste transport container after the spill is cleaned up.
- Colour & Signage: High-visibility Bright Yellow or Red. The exterior must feature a permanent, UV-stabilized vinyl decal clearly reading: "CHEMICAL & ACID SPILL KIT - 25L", alongside the official SANS 10228 Class 8 Corrosive Substance diamond graphic sticker.

Mandatory Internal Content Manifest (Chemical Tier Only)

All internal absorbent materials must be certified Chemically Inert and Hydrophilic (specifically engineered to absorb acids, bases, and aggressive fluids while resisting melting or chemical fire reactions). General-purpose or oil-only absorbents are strictly rejected. [

The bucket must come pre-packed with the following exact items and quantities:

Quantity Item Description & Minimum Technical Specification

2 x	Chemical Absorbent Booms/Socks (Approx. 1.2m x 7.6cm): 100% polypropylene skin and filler treated with surfactant. Designed to be bent around the perimeter of the spill to dam and isolate the acid, preventing it from running under lab benches or into floor drains.
15 x	Chemical Absorbent Pads/Sheets (Approx. 40cm x 50cm): Heavy-weight, sonic-bonded, dimpled polypropylene pads. Must be highly absorbent, lint-free, and color-coded Pink or Yellow (the universal industry code for hazardous chemical absorbents).
2 x	Acid Neutralizing Granules / Powder (Minimum 1kg Shaker Bottles): A specialized chemical compound formulation that actively changes colour (e.g., transitions from red/yellow to green) as it neutralizes the pH level of the acid spill, rendering the liquid safe for handling.
2 x	Heavy-Duty Hazardous Waste Disposal Bags: 100-micron thick, bright yellow plastic bags pre-printed with the Biohazard/Hazardous Chemical warning logo, supplied with heavy-duty cable ties for secure neck-sealing.
1 x Set	Non-Sparking Chemical Dustpan and Scraper/Spade: Constructed entirely from injection-molded Polypropylene. Absolutely no metal components are permitted, as acids will corrode metal and create highly volatile, explosive hydrogen gas mixtures upon contact.
2 x Pairs	Heavy-Duty Chemical Gauntlet Gloves: Extended-cuff green Nitrile or Neoprene gloves certified to SANS 50374 (Type A) with a minimum thickness of 0.55mm to protect the spill responder's forearms.
2 x Pairs	Splash-Proof Safety Goggles: Indirectly vented chemical splash goggles certified to SANS 166 (Code 3).

Logistics, Sizing & Compliance Registers

- Quality & Expiration Log: Every spill kit must be delivered with a laminated Internal Content Checklist and Step-by-Step Spill Response Instruction Sheet attached to the underside of the lid.
- Logistics & Sorting: The successful bidder must supply kits fully assembled and pre-packed, sorted according to the specific regional PPECB offices and laboratories that placed the order, delivering directly to those offices across South Africa.

Branding Guidelines:

- The PPECB logo featured below is to appear on the items (in either white or navy depending on the colour of the item)
- Embroidery fees and all set-up costs are to be included in the price quoted
- Prior to the confirmation of all orders, artwork is to be sent to the PPECB for approval



4.3 Quality Standards and Certifications

Provide evidence of compliance with applicable standards:

- SANS Standards
- ISO Certifications
- CE Certifications
- EN Standards
- Manufacturer Certifications

Attach relevant certificates and product data sheets.

4.4 Delivery and Logistics Capability

Delivery Coverage

- National Coverage: Yes / No
- Regional Coverage: Yes / No

PPECB Offices

Regional Office	Address
Head Office	PPECB, 45 Silwerboom Avenue, Platteklouf, Cape Town, 7560
Gauteng Office and Laboratory	PPECB, Centurion Close, Block B, 119 Gerhard Street, Centurion, 0157
Ceres	PPECB, 37 Voortrekker Road, Van Eeden Building, Ceres, 6835
Citrusdal	PPECB, 65 Voortrekker Road, Citrusdal, 7340
Durban	PPECB, 2 Old Mission, Bluff, Durban, 4052
Grabouw	PPECB, Cnr. Forest Ave & Hofmeyr St, Grabouw, 7160
Montague Gardens	PPECB, Unit A5 Arden Grove Park, Corner Racecourse & Omuramba Road, Montague Gardens, 7441
Nelspruit	PPECB, 5 Emkhe Street, Nelspruit 1200
Paarl	PPECB, Zomerlust Estate, Bergrivier Boulevard, Paarl, 7646

Regional Office	Address
Port Elizabeth	PPECB, 63 Newton Street, Newton Park, 6055
Robertson	PPECB, 12 Paul Kruger Street, Robertson, 6705
Tzaneen	PPECB, 2 Thiem Street, Tzaneen, 0850

Standard Delivery Lead Times

Product Category	Lead Time
Stock Items	☒ Days
Special Orders	☒ Days
Emergency Orders	☒ Hours/Days

Inventory Management

- Available stockholding capacity.
- Consignment stock options.
- Online ordering capability.
- Order tracking functionality.

4.5 Indicative Pricing (Please see Attached Annexure A)

Provide indicative pricing including VAT.

Volume Discounts Available:

- Yes / No
- Details: _____

4.6 Value-Added Services

Please indicate services available:

- PPE Assessments
- Site Surveys
- Fit Testing
- Online Ordering Portal
- Usage Reporting
- Stock Management Solutions
- Dedicated Account Manager

4.7 Contract Duration and Support

We confirm our ability to support a contract duration of:

- Three (3) Years
- Optional Two (2) Year Extension

Service Support Model

- Client Relationship Management
- Escalation Procedures
- Service Level Agreements (SLAs)
- Performance Reporting

4.8 Additional Information

Provide any information that may assist PPECB in developing its future tender specification, including:

- Innovative PPE solutions.
- Sustainable and environmentally friendly products.
- Digital inventory management solutions.
- Industry trends and recommendations.

Declaration

We certify that the information provided in this RFI response is accurate and complete to the best of our knowledge.

Authorised Signatory: _____

Position: _____

Date: _____

Signature: _____

5 BELOW ARE THE GUIDELINES FOR RESPONSE:

The bidder must submit all mandatory compliance documentation, including the following:

- A valid Tax Clearance Certificate or Tax Compliance Status (TCS) PIN;
- A valid B-BBEE Certificate or EME/QSE Sworn Affidavit, where applicable; and
- Proof of registration on the Central Supplier Database (CSD).

Submission of a detailed proposal of the work plan on how the bidder intends to render the services.

Please note that, should the PPECB decide to issue a subsequent Request for Proposal (RFP) or Request for Quotation (RFQ), participation may be limited to respondents who have submitted a response to this Request for Information (RFI).

Respondents are therefore encouraged to ensure that all information and supporting documentation included in their submission is complete, accurate, and clearly presented at the

time of submission. Failure to comply with these requirements may prejudice the evaluation of the submission and could result in disqualification from further consideration.

RFI submissions should include a comprehensive index and clearly reference all supporting documentation provided. This will facilitate the review process and ensure that submissions are evaluated efficiently and fairly.

6 COMMUNICATION

Queries regarding this RFI can be submitted to Mphumzim@ppecb.com . Responses to all questions submitted will be published to all interested parties through the e-tenders portal. The latest date for the receipt of queries is 10 calendar days prior to the closing date for submissions.

6.1.1 CLOSING DATE

Responses must be submitted not later than the closing date and must be emailed to Mphumzim@ppecb.com . It is the responsibility of each Bidder to ensure that all documents are submitted in time.

It is not contemplated that the closing date for the RFI responses will be extended under any circumstances.

A subsequent Request for Proposal (RFP) will be issued to only the Bidders submitted their proposals to this RFI.

7 IMPORTANT NOTICE

The information in this document is preliminary only and will be superseded by the RFP. The information provided is offered in good faith for the guidance of Bidders, but no warranty or representation is given as to the accuracy or completeness of any of it and PPECB shall not be under any liability for any error, misstatement or omission.

All costs incurred by Bidders in respect of this competition must be borne by them. The PPECB shall bear no liability whatsoever to anyone whether participating in this competition or not and, for the avoidance of doubt, shall not be liable for any costs or losses incurred howsoever arising in connection with the competition including, without limitation, any loss of profit or other economic loss incurred.

None of the information contained here shall constitute a Contract or part of a Contract between PPECB and any Bidder. The PPECB reserves the right not to follow up this RFI in any way and/or to change the tender procedure in whole or in part and/or terminate discussions at any time. The PPECB shall not be obliged to enter into a Contract with any Bidder. No legal relationship or other obligation shall arise between the Bidder and PPECB unless and until the Contract has been formally executed in writing by PPECB and the successful Tenderer and any conditions precedent to the effectiveness of such documents have been fulfilled.

The PPECB reserves the right to amend this RFI, its requirements and any information contained herein at any time by notice, in writing, to the Bidders.

Nothing contained in this RFI is, or shall be relied upon as, a representation of fact or promise as to the future. Any summaries or descriptions of documents or contractual arrangements contained in any part of this RFI cannot be and are not intended to be comprehensive.

8 BID SUBMISSION

All submissions must be submitted via email to Mphumzi@ppecb.com or submitted electronically via Microsoft One Drive and shared with this email address: Mphumzim@ppecb.com. All submissions must be referenced **RFI/OPS/PPE/2025/07**.