ANNEXURE B2

DEPARTMENT OF SOCIAL DEVELOPMENT:
EASTERN CAPE
IN-HOUSE SECURITY

UNISEX THERMAL PUFFER COAT

Issue 001

October 2026



APPROVAL PAGE

Compiled for	Department of Social Development: Eastern Cape, In-house Security
Specification name	Unisex Thermal Puffer Coat
Issue	001
Status	For procurement / tender purposes
Prepared by	
Accepted by	
Approved by	

AMENDMENT HISTORY

Doc issue	Date	Amendments	Change proposal no.	Checked
Draft	October 2026	Consolidated the source tender specification and product specification.		
001	October 2026	First controlled release for procurement / tender purposes.		

IMPORTANT

This specification establishes minimum requirements. The approved pre-production sample, written purchase order and this specification form the acceptance basis. Where an illustration conflicts with the written requirements, the written requirements prevail.

1. Scope

This specification covers the minimum acceptable requirements for style, materials, construction, workmanship, sizing, labelling, packaging, inspection and delivery requirements of unisex thermal puffer jackets for personnel of the Department of Social Development: Eastern Cape, In-House Security.

2. Definitions and abbreviations

Term	Meaning
acceptable	Acceptable to the Department of Social Development: Eastern Cape.
approved sample	A sample formally accepted in writing as the reference for bulk production.
contractor	The manufacturer, supplier or appointed service provider responsible for supply.
Department / DSD-EC	Department of Social Development: Eastern Cape.
DWR / water-resistant	A finish or construction intended to resist light rain and water splashes.
nominal	Subject to tolerances normally allowed in good manufacturing practice.
SANAS	South African National Accreditation System.

Term	Meaning
SANS	South African National Standard.
synthetic down	Non-animal, down-like insulating fill.
trim chart	A mounted schedule identifying representative samples of each component material and trim proposed for production.

3. Style and design

Feature	Mandatory requirement
Item	Thermal puffer jacket.
Intended user	Departmental In-House Security personnel.
Garment type	Unisex, lightweight thermal and water-resistant puffer jacket.
Colour	Solid colour or two-tone, as stated in the order and matched to the Department-approved spectrum.
Fit	Operational fit permitting normal movement and ordinary duty clothing beneath the jacket.
Length	Thigh-length coverage
Outer shell	400T nylon fabric; fast drying and water resistant.
Insulation	260 g/m^2 synthetic-down cotton inner insulation; hypoallergenic and vegan.
Collar	High stand collar giving thermal coverage around the neck inclusive of an adjustable hood.
Front closure	Two-way durable chunky full-front zip with rubberised puller or approved equivalent.
External pockets	Two waist pockets with reverse-coil zips.
Internal pockets	Two deep internal storage pockets.
Cuffs	Elasticated cuffs for a snug fit and reduced heat loss.
Branding	Department logo and security identification as approved before manufacture.

4. Illustrations and precedence

The following source illustrations are reproduced for product identification and construction guidance. Illustrations are not to scale. The approved physical sample and the written requirements in this specification prevail in the event of inconsistency.



5. Client-furnished materials

Unless the order states otherwise, the Department will not supply materials. The contractor shall supply all shell fabric, insulation, lining or pocketing, fasteners, elastic, thread, labels and branding materials, and packaging. With each order, the Department shall provide quantities, sizes, delivery points and approved branding instructions.

6. Component materials and performance

6.1 Component schedule

Component	Requirement	Evidence / control
Outer shell	400T nylon fabric, water resistant and fast drying.	Supplier data, swatch and approved sample.
Thermal insulation	260 g/m^2 synthetic-down cotton, evenly distributed.	Supplier declaration and technical data.
Collar	High stand collar providing neck coverage with adjustable hood.	Pre-production sample.
Front zip	Two-way durable chunky open-end zip with rubberised puller or approved equivalent.	Component sample and functional test.
External pocket zips	Two reverse-coil zips offering resistance to light moisture ingress.	Component sample and functional inspection.
Internal pockets	Two deep internal pockets, securely constructed.	Sample inspection.
Cuff elastic	Durable elastic retaining recovery after approved care cycles.	Supplier data and sample inspection.
Sewing thread	Polyester or polyester core-spun thread appropriate to seam duty and fabric.	Supplier specification; SANS 1362 where applicable.
Labels	Durable, legible labels suitable for the specified care cycle.	Label sample.
Packaging	Individual protective polybag and robust bulk container.	Packaging sample or description.

6.2 Minimum performance requirements

Property	Minimum requirement	Method / basis
Composition	400T nylon outer and declared 260 g/m^2 synthetic-down cotton insulation.	Supplier declaration and acceptable textile test practice.
Thermal function	Garment shall provide insulation for cool-to-cold conditions and retain useful warmth when damp.	Technical data, supplier evidence and approved-sample assessment.
Water resistance	Outer shall resist light rain and water splashes.	Supplier evidence and approved-sample assessment; no waterproof claim implied.
Breathability	Construction shall support wearer comfort during intended use.	Supplier data and wearer/sample assessment.
Drying	Outer fabric shall be fast drying.	Supplier data and approved sample.
Colour fastness to washing	Rating not less than 4, where applicable.	SANS 105-C02 or current equivalent.
Colour fastness to rubbing	Dry 4; wet 3-4, where applicable.	SANS 105-X12 or current equivalent.
Resistance to pilling	Rating not less than 4, where applicable.	SANS 6116 or current equivalent.

Property	Minimum requirement	Method / basis
Abrasion resistance	Suitable for repeated operational wear.	SANS 6009 or suitable current method.
Dimensional stability	No excessive shrinkage, distortion, seam puckering or insulation migration after approved care cycles.	Relevant SANS method and comparison with approved sample.
Shade consistency	Uniform within and between garments in a consignment.	Controlled visual assessment against approved standard.
Freedom from harmful defects	Free from holes, tears, objectionable odour, contamination and sharp components.	Visual and sensory inspection.

6.3 Colour approval

The exact colour, two-tone placement where applicable and branding shall be confirmed through approved swatches or a pre-production sample as per the Departments approved colour spectrum. Bulk production shall not begin until these have been accepted in writing.

7. Workmanship

Jackets shall be cut, made and finished with first-class workmanship and shall be uniform in make, shade and finish.

- Free from defects affecting appearance, fit, thermal function, safety or serviceability.
- Free from marks, stains, oil, adhesive residue, loose threads and untrimmed ends.
- Free from twists, pleats, puckers, distorted seams, insulation clumping and mismatched panel alignment.
- Seams shall be smooth, secure and suitable for the intended use.
- Zips shall run freely and shall not snag the lining or adjacent fabric.
- Elasticated cuffs and waist shall be evenly applied without twisting.
- Pocket openings, zip ends and other stress points shall be reinforced.
- Raw edges shall be enclosed or securely finished as appropriate.

8. Measurements and sizes

The Department shall state the required sizes in the order. The manufacturer datasheet provides sizes XS to 5XL and the graded finished measurements below. All measurements are in centimetres and shall be verified against the approved pre-production sample.

Size	½ Chest	½ Hem	Body Length	Neck Width	Neck Drop	Shoulder Width	Armhole	Sleeve Length	Cuff
XS	55	44	66	64.5	20	9.5	45	20.5	9
S	57	46	68	66	21	10	46.5	21	9.5
M	59	48	70	67.5	22	10.5	48	21.5	10
L	61	50	72	69	23	11	49.5	22	10.5
XL	63	52	74	70.5	24	11.5	51	22.5	11
2XL	65	54	76	72	25	12	52.5	23	11.5

Size	½ Chest	½ Hem	Body Length	Neck Width	Neck Drop	Shoulder Width	Armhole	Sleeve Length	Cuff
3XL	67	56	78	73.5	26	12.5	54	23.5	12
4XL	69	58	80	75	27	13	55.5	24	12.5
5XL	71	60	82	76.5	28	13.5	57	24.5	13

8.1 Measurement method

Measuring point	Method
½ Chest	Fasten the front zip, lay flat without stretching and measure across at the base of the armholes.
½ Hem	Lay flat and measure across the lower edge in the relaxed condition.
Body length	Measure from the high shoulder/neck reference to the lower edge, consistently with the approved sample.
Neck width	Measure the collar/neck opening across the specified reference points.
Neck drop	Measure vertically from the neck reference to the front neck point.
Shoulder width	Measure across the back between the sleeve insertion reference points.
Armhole	Measure the armhole depth/curve according to the approved pattern and sample.
Sleeve length	Measure from the shoulder/sleeve reference point to the sleeve end.
Cuff	Measure the relaxed cuff opening flat, consistently with the graded chart.

9. Make and construction

9.1 General construction

- Construction shall comply with this specification, the approved sample and good manufacturing practice for insulated outerwear.
- Shell and insulation shall be assembled so that fill remains evenly distributed and does not migrate excessively during use or approved care.
- Lining and pocket bags shall not twist, sag, protrude below the shell or become caught in zips.
- Stress points, zip ends and pocket openings shall be reinforced.
- All components shall tolerate the approved care process without separation, corrosion, distortion or objectionable shade change.

9.2 Front assembly and collar

- The front shall close with a straight, securely set chunky open-end zip.
- The puller shall be rubberised or an approved equivalent usable while wearing gloves.
- The high stand collar shall provide additional thermal coverage around the neck and retain its shape after care cycles.
- The zip shall operate freely without snagging the shell, insulation or lining.

9.3 Pockets

- Two waist pockets shall be fitted with reverse-coil zips.
- Zipped pockets shall lie flat when closed and operate freely through their full travel.
- Two deep inner pockets shall provide protected storage for personal items.
- Pocket openings, bags and zip ends shall be securely reinforced.

9.4 Cuffs

- Sleeve cuffs shall be elasticated to give a snug fit.
- Elastic shall be evenly distributed, securely anchored and free from rolling or twisting.
- The finished garment shall permit operational movement without excessive restriction.

9.5 Branding

- Department logo and security identification shall be positioned, sized and coloured as approved in writing.
- The contractor shall not add visible exterior branding unless authorised.

10. Stitches, seams and stitchings

Construction element	Requirement
Main seaming	Lock stitch or safety stitch appropriate to the lightweight nylon and seam duty.
Insulation containment	Construction shall prevent unacceptable fill leakage and migration.
Lining / pocket seams	Safety stitch, lock stitch plus secure edge finish, or equivalent appropriate construction.
Overlocking	Three-thread overlocking or equivalent secure edge finish for exposed raw edges where applicable.
Top-stitching	Uniform lock stitch unless approved sample requires another construction.
Seam width	Suitable for fabric and construction; not less than 10 mm for main seams unless approved otherwise.
Stitch density	Uniform and technically suitable; approximately 40 ± 2 stitches per 10 cm may be used where appropriate.
Sewing ends	Back-tacked or securely fastened; loose ends trimmed.
Zip attachment	Straight, secure and free from waviness or exposed sharp ends.
Elastic attachment	Secure, evenly tensioned and without skipped stitches.

11. Garment labels, marking and care

11.1 Label properties and information

Each garment shall carry durable, legible and indelible labels that remain securely attached under normal use and approved care. Printed textile labels shall comply with SANS 1309 where applicable. Required information includes:

- Item designation: Thermal Puffer Jacket.
- Size designation.

- Manufacturer name or trade mark.
- Year of manufacture.
- Declared fibre composition.
- Country of origin, stated factually.
- Care instructions in words and symbols in accordance with SANS 10011.
- Contract, order or batch information where required by the Department.

11.2 Marking position

The principal size and manufacturer label shall be positioned at the inside neck or another Department-approved location and shall not cause discomfort. Care and fibre-content labels may be placed at a secure internal seam.

12. Packaging and delivery

12.1 Individual packing

- Each jacket shall be clean, dry, neatly folded and individually packed in a transparent polybag.
- The pack shall prevent soiling and damage during transit and storage.
- Individual packs shall identify item, colour, size and wearer name where applicable.

12.3 Bulk containers and marking

- Bulk containers shall be clean, robust corrugated-board cartons or a Department-approved equivalent.
- The total packed mass shall not exceed 25 kg unless approved otherwise.
- Different sizes or colours shall not be mixed unless approved in writing.
- Packing shall prevent crushing, moisture exposure and damaging movement.

Required marking	Detail
Department	Department of Social Development: Eastern Cape.
Supplier	Manufacturer or supplier name.
Order identification	Contract / purchase order number and delivery-note reference.
Goods	Thermal Puffer Jacket; colour/variant.
Quantity and size	Quantity in container and size designation.
Manufacture	Year and batch number where used.
Logistics	Delivery point, container number and gross mass.
Inspection	Inspection certificate number where required.

13. Quality assurance and inspection

13.1 Bid sample

Where the tender requires a bid sample, the sample shall demonstrate the bidder's ability and shall comply as closely as practicable with this specification. Acceptance of a bid sample does not constitute approval for bulk production.

13.2 Pre-production approval

- After award and before bulk production, submit the number of pre-production samples required by the tender; unless otherwise stated, three representative sizes are recommended.
- Submit a trim chart identifying shell, insulation, zips, elastic, thread, labels, branding and packaging, with available technical evidence.
- Colour, fit, graded measurements, collar, zips, pockets, elasticated finishes, labels, branding and care instructions shall be assessed.
- Bulk production may begin only after written approval. Approval does not relieve the contractor of full compliance.

13.3 Inspection and final acceptance

- The Department may appoint a SANAS-accredited inspection or testing authority.
- The contractor shall conduct finished-goods inspection before presenting a consignment.
- Samples may be selected from any production lot for dimensional, construction, colour, labelling, packaging and functional checks.
- Non-conforming goods may be rejected, segregated, corrected or replaced at the contractor's cost, subject to the contract.
- All jackets shall be inspected before and after use for damage, where applicable to departmental issue controls.

13.4 Minimum functional checks

Check	Acceptance criterion
Front zip	Smooth through full travel; secure; no snagging.
Waist pocket zips	Two present, functional, flat when closed and reinforced at ends.
Internal pockets	Two present, deep, cleanly finished and secure.
Collar	High stand construction provides neck coverage and retains shape with attached adjustable hood.
Cuffs	Elastic secure, evenly tensioned and without twisting.
Insulation	Evenly distributed, with no objectionable clumping, voids or leakage.
Shell	Clean, uniform, free from holes, tears and objectionable defects.
Measurements	Conform to approved chart and tolerances.
Labels / packaging	Complete, legible, correct and consistent with the order.

14. Normative references

The latest applicable edition of each referenced standard shall be used. Where a standard has been renumbered, withdrawn or replaced, the current equivalent shall apply subject to Department acceptance.

- SANS 10371, Terms and definitions for clothing.
- SANS 1309, Printed labels for textiles.
- SANS 1362, Sewing threads.
- SANS 10011, Care-labelling of textile piece-goods, textile articles and clothing.

- SANS 10235, Fibre-content labelling of textiles and textile products.
- SANS 1833, Textiles - Quantitative chemical analysis.
- SANS 6009, Abrasion resistance of textile fabrics.
- SANS 6116, Resistance of fabrics to pilling and fuzzing.
- SANS 5278, Sewing stitches per unit length.
- SANS 105-C02, Colour fastness to washing.
- SANS 105-X12, Colour fastness to rubbing.
- SANS 1822, Slide fasteners, where applicable.
- SANS 10076-1, Assessment of defects in textile piece-goods and made-up articles, where applicable.

ANNEX A (Normative) - Bid sample requirements

- Submit a representative thermal puffer jacket in the size and branding state required by the tender.
- Provide mounted swatches of the proposed 400T nylon shell, insulation, pocketing and branding materials.
- Identify textile mill or supplier, internal quality reference, declared composition, insulation mass and proposed colour reference.
- Provide a preliminary trim chart including front zip, pocket zips, elastic, thread, labels and packaging example.
- Provide the proposed graded size schedule and identify tolerances.
- Identify and motivate every deviation in writing. Silence shall not be treated as approval.

ANNEX B (Normative) - Special conditions applicable to the successful bidder

Ref.	Requirement
B.1	Submit pre-production samples, trim chart, graded size schedule and supporting compliance documents before bulk production.
B.2	Obtain written approval of colour, fit, branding, collar, zips, pockets, elasticated finishes, labels and packaging.
B.3	Provide adequate notice when samples or production are ready for inspection.
B.4	Permit inspection during manufacture where required by the contract.
B.5	Inspect all finished jackets before presenting the consignment.
B.6	Correct or replace non-conforming goods at the contractor’s cost, subject to contract terms.
B.7	Maintain production-lot traceability for materials, manufacture, inspection and delivery.
B.8	Include delivery note, inspection certificate where applicable and invoice with order number and full consignment description.
B.9	Do not change approved materials, supplier, construction, shade or branding without prior written approval.
B.10	Retain an approved reference sample for the duration of the contract.

ANNEX C (Normative) - Compliance schedule

The bidder shall complete this schedule. Documentary cross-references shall identify the exact page, certificate or sample supporting each response.

Requirement	Comply Yes/No	Evidence / reference	Deviation and motivation
Unisex thermal puffer jacket			
400T nylon outer shell			
260 g/m^2 synthetic-down cotton insulation			
Water-resistant, fast-drying outer			
High stand collar with adjustable hood			
Two-sided chunky front zip with suitable puller			
Two reverse-coil zipped waist pockets			
Two deep internal pockets			
Elasticated cuffs			
Sizes XS to 5XL and approved graded measurements			
Fabric performance requirements			
Workmanship and seam requirements			
Labels and specified care instructions			
Individual and bulk packaging			
Bid / pre-production sample controls			
Inspection and delivery documentation			