

DEPARTMENT OF EMPLOYMENT AND LABOUR

NO. R. 5977

14 March 2025

VARIATION OF SCOPE OF THE NATIONAL TEXTILE BARGAINING COUNCIL

I, Lehlohonolo Molefe, Registrar of Labour Relations, hereby, give notice in terms of section 109 of the Labour Relations Act, 1995, that, following an application by the above-mentioned Council, its scope has been varied as contained in the Annexure hereto.

**REGISTRAR OF LABOUR RELATIONS**

ANNEXURE

The scope of the abovenamed Bargaining Council has in terms of section 58 of the Labour Relations Act, 1995 been varied.

With effect from ...6 March 2025... the Council is registered in respect of: -

The Textile Industry as defined hereunder, in the Republic of South Africa.

“**Textile Industry or Sector or Industry**” – means without in anyway limiting the ordinary meaning of the expression, the enterprise in which the employer(s) and the employees are associated, either in whole and or in part, for any activity relating to the processing or manufacture of fibres, filaments or yarns, natural or man-made and the processing or manufacture of products obtained there from, including all activities incidental thereto or consequent thereon, defined as follows:

1.1 General scope as defined by process and activity for the Textile Manufacturing Industry

1.1.1. Fibre Manufacture and Preparation

The handling, processing and manufacture of all classes of fibre, filaments including monofilaments, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not be limited to, the fibres manufactured or processed from the following types of raw material:

1.1.1.1 Natural Fibres

- Vegetable fibres: cotton, kapok, coir, flax, hemp, jute, kenaf, ramie manila, henequen, sisal, sugar cane or other plant seeds, bast or leaf material.
- Animal fibres: wool, mohair, cashmere, silk, angora, alpaca, feathers and any type of animal hair.
- Mineral fibres: asbestos or other inorganic material.

1.1.1.2 Manufactured Fibres:

- Synthetic polymers: including poly-methylene, polyolefin, polyvinyl, polyurethane, polyamide, aramid, polypropylene, polyester (PET/polyethylene terephthalate) and synthetic poly-isoprene
- Natural polymers: including made from or comprising alginate, rubber, regenerated proteins, regenerated cellulose and cellulose ester
- Minerals: including rock wool, carbon fibre and glass fibre or any other fibre manufactured from minerals and,
- All other manufactured fibres and tapes not specified above.

1.1.2 Preparation of Natural and Blended Fibres

The receiving, sorting, grading, weighing, cataloguing, washing, scouring, ginning, fibre-working, blending, carding, combing, cutting, dyeing, bleaching, cleaning, as well as the activities performed by wool and mohair brokers, buyers, and dealers; and any other activities carried on in an enterprise.

1.1.3 Manufacture Textiles

The manufacture, processing, dyeing, finishing, and further processing of all classes of woven, non-woven, crocheted and braided textiles from any of (or combinations of) the inputs specified in 1.1.1 utilising the activities and processes of carding, combing, spinning, winding, twisting, drawing-in, warping, weaving, crocheting, braiding, embroidering, tufting, plaiting, feting, blending, raising, needling, stitch-bonding, spun laid, wet laid or other bonding processes, printing, dyeing, lamination, making-up and finishing as well as any other products made from raw materials produced by the processes and activities referred to 1.1.1.1 and 1.1.1.2 and 1.1.2 above.

1.2 General scope as defined by product:

The process and activities referred to in sub-clause 1.1, shall include, but not be limited to, the following products (used here simply as an indicative list):

- synthetic textile fibres and yarns;
- vegetable fibres and yarns (including the activities conducted in cotton gins)
- woven fabrics and products;
- stitch bond fabrics and products;

- non-woven fabrics and products;
- woven, crocheted, braided, plaited, knitted tapes, narrow fabric products (whether rigid or elasticised) webbing, interlinings, tapes, strapping or bias binding / clothing accessories;
- embroidery (where done in an establishment not covered by the National Clothing Bargaining Council);
- frills, tassels, bows and similar finishings;
- shoe laces;
- lace and netting; (general)
- worsted tops or noils, or yarns or fabrics;
- towelling or towels;
- all types of made-up textiles, including curtains and blinds, sheets, bedspreads, quilts, duvets and other bed linen; pillows and cushions; shopping and packaging bags, textile materials found in bathrooms and restrooms
- carpets, rugs, mats and matting, carpet tiles, and rugs (including as used in applications for floors and walls in domestic, commercial and residential premises, as well as that found in all types of automobiles, airplanes, trains, ships and any other form of transport);
- flock, foam, wadding, or padding, including shoulder padding, and all items with feather fillings;
- under-felt and felt;
- cleaning cloths, cleaning rags, dusters;
- blanketing, blankets, travelling-rugs, shawls;
- tyre-cord, belting, hose, tank fabrics, conveyor belts;
- textiles used to reinforce plastics; mining and civil engineering;
- textiles like separation, drainage and reinforcement materials, mine props, backfill fabrics, ventilation curtains, blast barricades;
- textiles used in agriculture/horticulture, like those for weed control, hail and frost protection, early crop ripening, bags for fertilizers/produce;
- textiles for tarpaulins, awnings, furnishings, umbrellas, footwear, automotive trim, taut liner truck curtains, luggage, sail cloth, airbags, spinnakers, hot air balloons, print screens, paper felts, arrestor fabrics;

- medical textiles like blood filters, membranes, bandages, cotton wool, lints, gauze, swabs, surgical dressing, and sanitary towels;
- fabrics used to filter air, gas or liquids;
- fabrics used for protective garments such as breathable fabrics, flame-proof fabrics, acid-proof fabrics, bullet-proof fabrics; brake and clutch linings, gland packings, seals; cord, ropes, twine, nets, and netting.

2 DEMARCATION BY SUB-SECTOR AND SUB-SECTION

2.1 HOME TEXTILE AND BLANKET SUB-SECTOR

2.1.1 BLANKET SECTION

2.1.1.1 Definition

The Blankets Section, without in any way limiting the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture of:

- i. All types of blanket and blanketing (not limited to blanketing throws, travelling rugs and shawls, whether un-raised, raised, plain, dyed, printed, blanketing in roll-form or otherwise treated) made by woven, knitted (circular or warp), needle-punch, tufted, malipol, malimo processes and fleece processes.
- ii. Yarns for sale or on commission, if such yarns in the final weight of woollen, worsted, acrylic, cotton, mohair or mixed composition yarns, measure 5 000 metres or more (50d-tex or more) to the kilogram, 9 Number metric (Nm) minimum or 100 tex, (meaning 100 grammes/1000 metres), for use in the manufacture of the articles refer to in paragraph (i).
- iii. It shall include all operations, products and activities incidental thereon to and consequent upon such operations and manufacture, including sales delivery, distribution, storage and administration of blanket products.

2.1.1.2 Products

Blanketing, Blankets, Travelling Rugs and Shawls

2.1.1.3 Fibre Preparation Processes

The handling, processing and manufacture of all classes of fibre, yarns, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres processed from the following types of raw material:

Natural Fibres:

Vegetable fibres: Cotton, linen, kapok, coir, flax, hemp, jute, kenaf, ramie, manila, henequen, sisal, sugarcane, or other plant seeds, bast or leaf material.

Animal Fibres:

Wool, mohair, cashmere, silk, angora, alpaca and any other type of animal hair.

Regenerated Fibres:

Bamboo and viscose

Manufactured Fibres:

Synthetic polymers: Acrylic, polyester, aramid, polyethylene, polyolefin, polyvinyl, polyurethane, polyamide, aramid, polyester and synthetic polyisoprene.

Natural polymers: Alginate, rubber, regenerated proteins, regenerated cellulose, cellulose ester.

All other manufactured fibres not specified above.

2.1.1.4 Scope as defined by process and activity for the Blanket Section

2.1.1.4.1 Fibre Preparation

Sorting, Tearing and Dyeing

- i. **Input Material:** Bales of pre-used fabrics
- ii. **Machine and Processes:** Sorting, cutting, tearing, bale press, weighing, baling and dyeing
- iii. **Output Product:** Sorted fibre ready for blending and carding

Blow Room and Carding

- i. **Input Material:** Bales of fibrous textile stock
- ii. **Machine and Processes:** Bale opener, automatic feed (blendomat), axial flow, step cleaner, multi mixer, chute feed and carding
- iii. **Output Product:** Sliver

Carding and Drawframe

- i. **Input Material:** Textile fibrous lap and carded sliver
- ii. **Machine and Processes:** Carding and Drawframe
- iii. **Output Product:** Sliver

Textile Sliver Lap, Combing and Drawframe

- i. **Input Material:** Drawframe sliver and Sliver Lap
- ii. **Machine and Processes:** Drawframe, Sliver Lap and Comber
- iii. **Output Product:** Sliver and Sliver Lap

2.1.1.4.2 Yarn Production

Ring Frame Spinning

- i. **Input Material:** Fibre in roving format
- ii. **Machine and Processes:** Ringframe Spinning
- iii. **Output Product:** Spun yarn on ring tube / bobbin

Rotor Spinning

- i. **Input Material:** Fibre in sliver format
- ii. **Machine and Processes:** Open-end machine
- iii. **Output Product:** Spun yarn on cone

Friction Spinning

- i. **Input Material:** Fibre in roving format
- ii. **Machine and Processes:** Friction Spinning on Dref Machine
- iii. **Output Product:** Spun yarn on cones

2.1.1.4.3 Yarn Packaging

- i. **Input Material:** Yarn on ring-tubes / bobbin and yarn on cone
- ii. **Machine and Processes:** Winding, Twisting, 2 for 1 Twisting
- iii. **Output Product:** Re-winded, Re-twisted and Re-assembled yarn on cone

2.1.1.4.4 Creeling and Warping

- i. **Input Material:** Spun yarns and filament yarns
- ii. **Machine and Processes:** Direct creels, magazine creels, direct warping and sectional warping
- iii. **Output Product:** Direct warped beams and sectional warped beams

2.1.1.4.5 Beaming and Sizing

- i. **Input Material:** Spun yarns and filament yarns
- ii. **Machine and Processes:** Beaming and Sizing
- iii. **Output Product:** Sized weaver's beams

2.1.1.4.6 Weaving

- i. **Input Material:** Spun yarns and filament yarns
- ii. **Machine and Processes:** Drawing-in, Warp and Weft bobbins, Broad Loom Weaving Process, Perching
- iii. **Output Product:** Wide Fabrics

2.1.1.4.7 Warp Knitting

- i. **Input Material:** Filament yarn on beams
- ii. **Machine and Processes:** Warp knitting and circular knitting
- iii. **Output Product:** Warp pile fabrics and fleece

2.1.1.4.8 Weft Knitting

- i. **Input Material:** Yarn or cone or cheese packages
- ii. **Machine and Processes:** Weft knitting
- iii. **Output Product:** Pre finished weft knitted apparel

2.1.1.4.9 Dry Fringing

- i. **Input Material:** Woven Fabrics
- ii. **Machine and Processes:** Fine / Coarse
- iii. **Output Product:** Fringed Shawls, Fringed Throws, Rugs with Fringes

2.1.1.4.10 Dry Product Surface Preparation

- i. **Input Material:** Woven and Knitted Fabrics
- ii. **Machine and Processes:** Cropping / Shearing, Singeing. Raising, Sanding / Sueding
- iii. **Output Product:** Surface Prepared Blankets

2.1.1.4.11 Dry Finishing and Heat Setting

- i. **Input Material:** Woven and Knitted Fabrics
- ii. **Machine and Processes:** Calendaring, Embossing, Moiré Finishing
- iii. **Output Product:** Smooth Lustrous Surfaced Finished Blankets, Raised Surface Blankets, Wavy Surface Blankets

2.1.1.4.12 Wet Process Dyeing

- i. **Input Material:** Textile fibrous material, fibre and yarn material and piece dyed blankets
- ii. **Machine and Processes:** Stock, Yarn, Hank, Jet, Jigger, Beam, Continuous, Pad-batch, Winch, Space Dyeing Machines
- iii. **Output Product:** Dyed fibres, Dyed yarn, Dyed piece blankets

2.1.1.4.13 Wet Process Printing

- i. **Input Material:** Single blankets and Dyed blankets
- ii. **Machine and Processes:** Screen, Digital, Roller and Rotary printing
- iii. **Output Product:** Printed blankets

2.1.1.4.14 Wet Process Preparation

- i. **Input Material:** Woven and Knitted Fabrics and Yarns for Bleaching
- ii. **Machine and Processes:** Mercerizing, Bleaching, Desizing, Scouring / Washing and Milling
- iii. **Output Product:** White, Cleaned and Milled Fabrics for Blankets

2.1.1.4.15 Wet Product Finishing

- i. **Input Material:** Woven and Knitted Fabrics
- ii. **Machine and Processes:** Resinating, Bleaching and Sanforising
- iii. **Output Product:** White fabrics and Water Resistance Fabrics

2.1.1.4.16 Cut, Make and Trim

- i. **Input Material:** Finished blankets
- ii. **Machine and Processes:** Cutting, slitting, embroidery, sampling, loading, labelling, overlocking, whipping, folding, shrink wrapping, packing, pricing, string removal, trimming, hand knotting, sewing, binding, quality inspection, scanning, handling systems, conveyers, transporting, capturing stock on system, warehousing and distribution
- iii. **Output Product:** Loose and packed blankets

2.1.2 HOME TEXTILES SECTION**2.1.2.1 Definition**

The Home Textile Section, without in any way limiting the ordinary meaning of the expression, shall mean the Industry in which employers and employees are associated, either in whole or in part for any activity whatsoever, for the manufacture of household textiles; textile furnishings; towels and towelling; table linen and any other made-up textiles. It shall include all operations and activities incidental thereto and consequent

thereon; but it shall exclude the manufacture of any garments and other products that are covered by the jurisdiction of the national clothing bargaining council. It shall include all operations, products and activities incidental thereto and consequent thereon. It shall include all operations, products and activities incidental thereon to and consequent upon such operations and manufacture, including sales delivery, distribution, storage and administration of household products.

2.1.2.2 Products

Household textiles; textile furnishings; towels and towelling; curtains, blinds, table linen; sheets, bedspreads; quilts, duvets, and other bed linen, pillows, cushions, textile materials found in bathrooms and restrooms; shopping and packaging bags; and any other made-up textiles; mattress, pillow and duvet protectors, but it shall exclude the manufacture of any garment and other products that are covered by the jurisdiction of the national clothing bargaining council.

2.1.2.3 Scope by process and activity for the Home Textile Section

2.1.2.3.1 Fibre Handling and Processing

The handling & processing of all classes of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material: **Natural Fibres: Vegetable Fibres:** Cotton, kapok, coir, flax, hemp, jute, kenaf, ramie manila, henequen, sisal, sugarcane or other plant seeds, bask or leaf material. **Animal Fibres:** Wool, mohair, cashmere, silk, angora, alpaca, feathers and any type of animal hair. **Minerals:** including rock wool, carbon fibre and glass fibre or any other fibre manufactured from minerals. **Manufactured Fibres: Synthetic polymers:** Acrylic, viscose, polyethylene, polyolefin, polyvinyl, aramid, synthetic polyisoprene, Polyethylene (PET), polyurethane and polyamide, polyester. **Natural Polymers:** Made from or comprising of alginate rubber, regenerated cellulose and cellulose ester. **Other:** all other manufactured fibres and tapes not specified above.

2.1.2.3.1.1 Fibre Preparation

- I. **Input Material:** Fibres as stated above.
- II. **Machine and Processes:** Blending, Opening, weighing and carding.

III. **Output Product:** Opened Homogeneous Fibre.

2.1.2.3.2 Weaving and Knitting Preparation

2.1.2.3.2.1 Creeling and Warping

- I. **Input Material:** Spun yarns and filament yarns.
- II. **Machine and Processes:** Sectional Warping, high speed warping, (sizing, beaming off), cone winding, transporting of beams, palleting of cones.
- III. **Output Product:** Warped Beams and palleted cones.

2.1.2.3.2.2 Beaming and Sizing

- I. **Input Material:** Spun yarns and filament yarns.
- II. **Machine and Processes:** Beaming and Sizing.
- III. **Output Product:** Sized weaver's beams / Knitter's beams.

2.1.2.3.2.3 Weaving

- I. **Input Material:** Beams and palleted Cones.
- II. **Machine and Processes:** Transporting of beams, knotting of beams, loading weft, Weaving Process, doffing pieces.
- III. **Output Product:** Woven fabric.

2.1.2.3.2.4 Knitting

- I. **Input Material:** Beams.
- II. **Machine and Processes:** Knotting of beams, knitting, doffing of pieces.
- III. **Output Product:** Knitted fabric.

2.1.2.3.3 Stitchbond

2.1.2.3.3.1 Creeling and Warping

- i. **Input Material:** Filament Yarn.
- ii. **Machine and Processes:** Warping and creeling.
- iii. **Output Product:** Beams.

2.1.2.3.3.2 Stitchbond

- i. **Input Material:** Beams and cross folded fibre.
- ii. **Machine and Processes:** Stitchbonding
- iii. **Output Product:** Stitchbonded Fabric

2.1.2.3.4 Dyeing, Finishing and Processing**2.1.2.3.4.1 Wet Process Dyeing & Finishing**

- i. **Input Material:** Woven, Stitchbonded and Knitted Fabric.
- ii. **Machine and Processes:** Loading of dye vessels with greige rolls, bleaching, pad dyeing, offloading of dyed rolls, hydro extraction, open width offloading and Screen Printing.
- iii. **Output Product:** Dyed and / or printed fabric.

2.1.2.3.4.2 Heat Setting and Finishing

- i. **Input Material:** woven, stitchbonded and knitted fabrics
- ii. **Machine and Processes:** Pre-dyeing, Stentering, tumble drying, shearing and polishing of veloured products, rolling, de-fluffing & quality control.
- iii. **Output Product:** Finished Fabric.

2.1.2.3.5 Cut, Make and Trim

- i. **Input Material:** Finished Fabric
- ii. **Machine and Processes:** Overlocking, laying, cutting, sewing, quilting, labelling, binding, piping, buttonhole, button sew, folding, packing, scanning, slitting, welding, embroidering, whipping, transporting, sampling, loading, shrink wrapping, trimmers, fusing, ironing, studding, zip fitting, quality control, warehousing, distribution & handling systems.
- iii. **Output Product:** Finished Products.

2.1.2.3.6 Filling

- i. **Input Material:** Opened fibre, Homogenous fibre and Fabric cases.
- ii. **Machine and Processes:** Blowing, filling and closing.

iii. **Output Product:** Filled Products.

2.2 WOVEN COTTON SUB-SECTOR

2.2.1 Definition

Without in any way limiting with the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the:

- (a) Manufacture of yarn from any combination of the following raw materials: cotton, spun silk, rayon, including viscose; acetate; cup ammonium; nylon; and/or any other synthetic or man-made fibre and also including all waste and/or by products from any or all such fibres (but excluding the manufacture of any worsted processed yarn for use in the worsted industry and/or extruded tape for the polypropylene industry)
- (b) Manufacture of any woven cloth of fabric, from any or all of the raw materials and/or wastes and/or yarns mentioned in (a) above, including manufactured filament yarns.
- (c) Printing and/or dyeing and/or finishing and/or processing of any raw materials, and/or wastes, and/or yarns and woven fabrics mentioned in (a) and (b) above.
It shall include all operations, products and activities incidental thereto and consequent thereon.
- (d) Includes sales delivery, distribution, storage and administration of woven cotton products.

2.2.2 Products

Woven fabrics and products

2.2.3 Scope as defined by process and activity for the Woven Cotton Sub-Sector

2.2.3.1 Fibre Manufacturing and Processing

The handling, processing and manufacture of all classes of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material:

Natural Fibres:

Vegetable fibres: Cotton, kapok, coir, flax, hemp, jute, kenaf, ramie, manila, henequen, sisal, sugarcane, or other plant seeds, bast or leaf material.

Manufactured Fibres:

Synthetic polymers: Polyethylene, polyolefin, polyvinyl, polyurethane, polyamide, aramid, polyester and synthetic polyisoprene.

2.2.3.2 Fibre Preparation

- i. **Input Material:** Bales of fibrous textile stock, lap, carded sliver, roving
- ii. **Machine and Processes:** Bale opener, automatic feed, axi flow, step cleaning, multi mixer, shoot feed, carding, combing, sliver lap and drawframe
- iii. **Output Product:** Sliver, sliver lap

2.2.3.3 Yarn Production and Yarn Packaging

- i. **Input Material:** Fibre in sliver and roving format. Yarn on ring tubes / bobbin and yarn on cones
- ii. **Machine and Processes:** Ring spinning, rotor spinning (Open-End), winding, twisting and doubling
- iii. **Output Product:** Spun yarn on ring tube / bobbin, spun yarn on cone, re-winded, re-twisted and re-assembled yarn on cone

2.2.3.4 Weaving Preparation

- i. **Input Material:** Spun yarn and filament yarns to warp, beam and size

- ii. **Machine and Processes:** Direct and sectional warping, beaming, sizing and drawing-in
- iii. **Output Product:** Sectional warped beams and sized weaver's beams

2.2.3.5 Weaving

- i. **Input Material:** Spun yarns and filament yarns
- ii. **Machine and Processes:** Broad loom weaving process (projectile, shuttle, air jet and rapier)
- iii. **Output Material:** Wide fabrics

2.2.3.6 Wet Finishing

- i. **Input Material:** Fibre, yarn material, fabric
- ii. **Machine and Processes:** Continuous and batch dyeing, continuous roller and screen printing, bleaching, mercerising, desizing and resinating
- iii. **Output Material:** Dyed fibres, yarn and fabrics, printed fabrics, cleaned fabrics and water resistant fabrics

2.2.3.7 Dry Finishing

- i. **Input Material:** Woven fabrics
- ii. **Machine and Processes:** Preparation processes (cropping / shearing and singeing); Finishing processes (calendaring, raising, embossing, stentering, sueding, sanforising, decatizing)

Inspection: Quality testing

- iii. **Output Material:** Surfaced, smooth, raised, finished woven fabrics

2.3 NARROW FABRIC AND CLOTHING ACCESSORIES SUB-SECTOR

2.3.1 Definition

Without in any way limiting with the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture (be it Textile, Technical Textile, Industrial

Textile or related) of woven or crochet or knitted tape, in the strip or the piece, being rigid or elasticised, having a warp and a weft, with selvedge on either side, or a warp only and being not more than 320 mm in width and the dyeing, printing, embossing/debossing and the finishing thereof. This will include labels and trims manufactured and subsequently slit. It is specifically recorded that all narrow woven, bias binding, clothing accessory and braided products will be covered. It shall include all operations, products and activities incidental thereto and consequent thereto, which further includes the sale delivery, distribution, storage, and administration of narrow woven, bias binding, clothing accessory and braided products.

2.3.2 Products

Woven, crocheted, braided, plaited, knitted tapes, narrow fabric products (whether rigid, bonded, composite or elasticised): webbing, interlinings, tapes, bias binding / clothing accessories; frills, tassels, bows, hang tags, RFID labels and similar finishing; shoe laces, cords, rope, twin; wicks; lace and netting (general). Safety equipment (CMT) using narrow fabric's (safety harnesses, slings and specialised CTFL products)

2.3.3 Scope as defined by process and activity for the Narrow Fabric and Clothing Accessories Sub-Sector

2.3.3.1 Fibre Manufacturing and Processing

The handling & processing of all classes of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material: Natural Fibres: Vegetable Fibres: Cotton, bamboo, lyocell, modal, kapok, coir, flax, hemp, jute, kenaf, ramie manila, henequen, sisal, sugarcane or other plant seeds, bark or leaf material. Animal Fibres: Wool, mohair, cashmere, silk, angora, alpaca, feathers and any type of animal hair. Minerals: including rock wool, carbon fibre and glass fibre or any other fibre manufactured from minerals. manufactured Fibres: Synthetic polymers: Acrylic, viscose, polyethylene, polyolefin, polyvinyl, aramid, synthetic polyisoprene, Polyethylene (PE), Polypropylene (PP), Ultra-high molecular-weight polyethylene (UHMWPE), polyurethane and polyamide, polyester (PET): Natural

Polymers: Made from or comprising of alginate rubber, regenerated cellulose and cellulose ester. Other: all other manufactured fibres and tapes not specified above.

2.3.3.2 Yarn Production

Speciality Yarn Assembly

- i. **Input Material:** Bare elastane and/or man-made flat or textured filament yarn
- ii. **Machine Processes:** Assembling 2 or more yarn components by means of air intermingling or conventional covering
- iii. **Output:** Intermingling yarn, single or double covered yarns

2.3.3.3 Man-Made Fibre Extrusion

- i. **Input Material:** polyethylene and polypropylene or other extrudable polymers, both virgin and recycled polymer chips
- ii. **Machine Processes:** Extrusion machine: extrusion process and winding tape onto bobbins
- iii. **Output Product:** Polypropylene tape and mono-filament yarn and Polyethylene mono-filament yarn and other polymer tapes and monofilament yarns

2.3.3.4 Creeling and Warping

- i. **Input Material:** Spun yarns, flat yarns, filament yarns and mono filament yarns
- ii. **Machine and Processes:** Direct creels, magazine creels, direct warping, sectional warping and positive feed creels
- iii. **Output Product:** Direct warped beams and sectional warped beams

2.3.3.5 Beaming and Sizing

- i. **Input Material:** Spun yarns flat yarns, filament yarns and mono filament yarns
- ii. **Machine and Processes:** Beaming and sizing

- iii. **Output Product:** Sized weaver beams, knitter beams and braiding beams

2.3.3.6 Weaving

- i. **Input Material:** Yarns on beams, cones/cores and creels
- ii. **Machine and Processes:** Narrow loom weaving process
- iii. **Output Product:** Narrow fabrics, webbing, tapes and narrow elastic tapes

2.3.3.7 Crochet Knitting

- i. **Input Material:** Yarn on beams, cones/cores and creels
- ii. **Machine and Processes:** crochet knitting
- iii. **Output Product:** Knitted elastic and ridged tapes

2.3.3.8 Braiding

- i. **Input Material:** Twisted yarn, spun yarn, flat yarn, filament yarn and mono-filament yarn
- ii. **Machine and Processes:** Twisting on twisting machine, ply winder, up-twister (2for1 Twister) winding machine, braiding machine, tipping machine, knit braiding machine and cabling machine.
- iii. **Output Product:** Cabled cord/rope/twine, braided cord/rope/twine, knit braided cord/rope, twisted cord/rope/twine

2.3.3.9 Textile Dry Finishing and Heat Setting

- i. **Input Material:** Narrow woven fabrics and tapes, narrow knitted fabrics, braided laces, cords & ropes.
- ii. **Machine and Processes:** Embossing on the embossing machine, debossing on the debossing machine, heat setting on the heat setting machine. Tensile setting of technical narrow woven or knitted tapes.
- iii. **Output Product:** Smooth lustrous surfaced finished narrow fabric / tapes, raised surface design narrow fabric and tapes, sunken surface design narrow fabric and tapes, wavy surface narrow fabric and tapes, low shrinkage narrow fabrics and tapes and technical narrow woven fabric and tapes.

2.3.3.10 Textile Wet Process Preparation

- i. **Input Material:** Narrow fabrics
- ii. **Machine and Processes:** Scouring and /or washing and / or pre-shrinking
- iii. **Output Product:** Cleaned and prepared for dyeing narrow fabric tapes (PFD product)

2.3.3.11 Textile Wet Process Dyeing

- i. **Input Material:** Yarn, various narrow woven fabrics, laces, tapes, cords, ropes and elastics
- ii. **Machine and Processes:** Dyeing by using a stock, yarn, beam and / or space dyeing machines and/or sizing (starch) pigmenting
- iii. **Output Product:** Dyed yarn, dyed narrow fabric and pigmented narrow fabrics

2.3.3.12 Textile Wet Process Printing

- i. **Input Material:** Greige narrow fabric, dyed narrow fabric, plastic, paper and cardboard
- ii. **Machine and Processes:** Screen, Digital, Roller, Rotary, Flatscreen and inkjet printing. Embossing and debossing printing.
- iii. **Output Product:** Printed narrow fabric. Clothing accessories printed labels, hangtags, RFID labels (clothing accessories to apparel)

2.3.3.13 Textile Wet Process Coating

- i. **Input Material:** Narrow fabrics, woven, crochet knitted, and braided.
- ii. **Machine and Processes:** Transfer coating on a coating machine, direct / double sided coating. Film coating on a film coating machine, PVC coating
- iii. **Output Product:** Narrow woven lashing and strapping; Waxed and coated cords and ropes; Aeronautical cords; Paraglider and Parachute cords and ropes; Braided fishing and speargun lines.

2.3.3.14 Cut, Make and Trim

- i. **Input Material:** Narrow woven and crochet fabric, webbing, cords, ropes and elastics; clothing accessory components (example hook & eye, buttons); Narrow fabric handles, harness slings and specialised CTFL product.
- ii. **Machine and Processes:** Sizing, sorting; cutting, slitting, winding, sampling, labelling, sewing, overlocking, whipping, trimming, hand knotting, tasselling, bow making, hook & eye fitting, quality inspection, packing, stringing; pricing, capturing stock on systems.
- iii. **Output Product:** FINAL PRODUCT: Final Narrow Woven; Crochet knitted; Braiding; Clothing Accessories (e.g. hook & eye, frills, tassels bows, hangtags RFID and other labels) and Safety Equipment (e.g. harnesses /slings) Products

2.3.3.15 Sales and delivery:

- i. **Input Material:** Final Product: narrow woven, bias binding, clothing accessory and braided products (Narrow woven and crochet fabric tapes, webbing, and elastics braided laces, cords, ropes; clothing accessory components) including CMT (example safety equipment) using narrow woven, bias binding, clothing accessory and braided input products.
- ii. **Processes:** sales delivery, distribution, storage and administration of Narrow woven, crochet fabric tapes, webbing, and elastics braided laces, cords, ropes; clothing accessory components and safety equipment, products;
- iii. **Output Product:** Warehousing and or delivered to customer and or end user.

2.4 POLYPROPYLENE SUB-SECTOR

2.4.1 Definition

Industry shall mean the polypropylene manufacturing industry, in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture of polypropylene fabric in circular or open width form and / or the processing of polypropylene fabric for use in cut, make and trim processes for the

manufacture of a range of bags or other polypropylene products which are used for a variety of end applications. It shall include all operations and activities incidental thereto and consequent thereon.

2.4.2 Products

Fabric and Bags

2.4.3 Fibre Manufacturing and Processing

The handling, processing and manufacture of all classes of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material: Extruded Polypropylene Tapes

2.4.4 Scope as defined by process and activity for the Polypropylene Sub-Sector

2.4.4.1 Tape Manufacturing

- i. **Input Material:** Polypropylene, (including, polymer blends) both virgin and recycled
- ii. **Machine and Processes:** Extrusion and winding onto bobbins.
- iii. **Output Product:** Polypropylene Tape.

2.4.4.2 Weaving Preparation and Weaving

Warping

- i. **Input Material:** Polypropylene tape on Bobbins.
- ii. **Machine and Processes:** Creeling, Warping and Leasing.
- iii. **Output Product:** Warped Beams.

Flat Weaving

- I. **Input Material:** Beams and weft Bobbins.
- II. **Machine and Processes:** Transporting of beams, knotting of beams, loading weft, Weaving Process, doffing pieces.

- III. **Output Product:** Woven fabric.

Circular Weaving

- I. **Input Material:** Bobbins for Warp and Weft.
II. **Machine and Processes:** Weaving, doffing of pieces.
III. **Output Product:** Woven fabric.

Webbing Weaving

- I. **Input Material:** Bobbins for Warp and Weft
II. **Machine and Processes:** Weaving, doffing of pieces.
III. **Output Product:** Woven Webbing.

2.4.4.3 Coating and Printing and Processing

Coating

- i. **Input Material:** Woven Fabric, Polypropylene pellets and / or other types of Polymers.
ii. **Machine and Processes:** Loading of fabric onto coating machine, Extrusion of Polypropylene film onto fabric, off-loading of rolls.
iii. **Output Product:** Coated Fabric.

Printing

- i. **Input Material:** Woven fabric, coated or uncoated.
ii. **Machine and Processes:** Batch, Stencil, Flexograph, Screen and Digital Printing.
iii. **Output Product:** Printed Fabric panels.

2.4.4.4 Cut, Make and Trim

- i. **Input Material:** Finished Fabric
- ii. **Machine and Processes:** laying, cutting, sewing, overlocking, inserting liners labelling, folding, packing, scanning, bailing, transporting, quality control, warehousing, distribution & handling systems.
- iii. **Output Product:** Finished Polypropylene Products.

2.5 WORSTED AND WOOL & MOHAIR SUB-SECTOR

2.5.1 WORSTED SECTION

2.5.1.1 Definition

Industry shall mean the Worsted manufacturing industry, in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture of worsted tops and/or noils, worsted yarns and/or worsted fabrics; and woollen and/or mixed yarns and/or woollen or mixed cloths and/or by-products from waste or other products. It shall include all operations and activities incidental thereto and consequent thereon.

2.5.1.2 Products

Worsted tops or noils

Worsted Yarns or fabrics

2.5.1.3 Fibre Manufacturing and Processing

The handling, processing and manufacture of all classes of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material:

Natural Fibres

Vegetable Fibres: Cotton, kapok, coir, flax, hemp, jute, kenaf. Ramie, manila, henequen, sisal, sugarcane or other plant seeds, bast or leaf material.

Animal fibres: wool, mohair, cashmere, silk, angora, alpaca, feather and any type of animal hair

Mineral Fibres:

Asbestos or other inorganic material

Manufactured Fibres:

Synthetic Polymers: Polyethylene, polyolefin, polyvinyl, polyurethane, polyamide, aramid, polyester and synthetic polyisoprene.

Natural Polymers

Made from or comprising alginate rubber, regenerated proteins, regenerated cellulose and cellulose ester. Minerals including rock wool, carbon fibre and glass fibre or any other fibre manufactured from minerals and all other manufactured fibres and tapes not specified above.

2.5.1.4 Scope as defined by process and activity for the Worsted Section**2.5.1.4.1 Fibre Preparation**

- i. **Input Material:** Bales of fibrous textile stock, as well as fibre sliver tops, blending, mixing, drafting of sliver
- ii. **Machine and Processes:** Blowroom, carding, drawframe, speedframe, sliver lap, combing
- iii. **Output Product:** Sliver

2.5.1.4.2 Yarn Production**Ringframe Spinning**

- i. **Input Material:** Fibre in roving and sliver format
- ii. **Machine and Processes:** Ringframe Spinning
- iii. **Output Product:** Spun yarn on ring tube / bobbin

Rotor Spinning

- i. **Input Material:** Fibre in sliver format
- ii. **Machine and Processes:** Open-end machine
- iii. **Output Product:** Spun yarn on cone

Speciality Yarn Assembly

- i. **Input Material:** Bare elastane and man-made flat or textured filament yarn
- ii. **Machine Processes:** Hollow spindle fancy yarn production
- iii. **Output:** Air intermingling yarn, single or double stretch yarns

Yarn Packaging

- i. **Input Material:** Yarn on ring-tubes / bobbin and yarn on cone
- ii. **Machine and Processes:** Winding, Twisting, Doubling
- iii. **Output Product:** Re-winded, Re-twisted and Re-assembled yarn on cone

2.5.1.4.3 Wet Dyeing, Wet Printing and Wet Finishing

- i. **Input Material:** Yarns for bleaching and washing, yarns and fabric for dyeing, printing and softening
- ii. **Machine and Processes:** Yarn Printing, yarn dyeing, yarn softening, bleaching and washing
- iii. **Output Product:** Worsted yarns and fabrics

2.5.1.4.4 Dry Finishing

- i. **Input Material:** Worsted yarn and fabrics
- ii. **Machine and Processes:** Balling, cone winding and brand labelling
- iii. **Output Product:** Worsted yarns and fabrics

2.5.2 WOOL AND MOHAIR SECTION

2.5.2.1 Definition

The Wool and Mohair Section, without in any way limiting the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the processing of:

- i. Wool and / or Mohair, which includes the handling, brokerage, receiving, grading, sorting, weighing, cataloguing, as well as the blending, washing (scouring), carbonising, bleaching, carding, combing, shrink proofing of wool, mohair or similar natural fibres.
- ii. It shall include all operations, products and activities incidental thereon to and consequent upon such operations and processing, including sales delivery, distribution, storage and administration.

2.5.2.2 Products

Scoured-, carbonized-, shrink proof treated-, carded-, combed- wool, mohair or similar natural fibres, as well as their by-products.

2.5.2.3 Fibre Processing

The handling and processing of all classes of natural fibres which shall include but not limited to the fibres processes from the following types of raw material:

Natural Fibres

Wool, Mohair, or similar natural fibres.

2.5.2.4 Scope as defined by process and activity for the Wool and Mohair Section

2.5.2.4.1 Fibre Preparation

Blending and sorting

- i. **Input Material:** Bales of greasy wool or mohair.
- ii. **Processes:** Bale opening, checking, evaluating, weighing, sorting, and packing.
- iii. **Output Product:** Sorted, evaluated and verified product.

2.5.2.4.2 Scouring (washing) and carbonizing

- i. **Input Material:** Blended greasy wool, mohair or similar natural fibres.

- ii. **Machine and Processes:** Scouring line for the opening, washing, and / or carbonizing and drying of the fibre. Bale press and scale to pack and weigh the scoured or carbonized product.
- iii. **Output Product:** Scoured or carbonized product.

2.5.2.4.3 Carding and combing

- i. **Input Material:** Scoured or carbonized wool, mohair or similar natural fibres.
- ii. **Machine and Processes:** Carding, combings, gilling, packing, baling, weighing.
- iii. **Output Product:** Sliver, combed sliver or top packed in a bale.

2.5.2.4.4 Shrink proofing

- i. **Input Material:** Combed wool or mohair sliver or other form.
- ii. **Machine and Processes:** Shrink proofing process line, followed by gilling, baling and weighing.
- iii. **Output Product:** Shrink proof treated wool or mohair fibre packed in a bale.

2.6 MANMADE FIBRE SUB-SECTOR

2.6.1 Definition

Without in any way limiting with the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the making of manufactured fibres, including the manufacture and distribution of polymers or other materials from which manufactured fibres are derived, the dyeing and / or finishing and / or processing in any manner whatsoever of such fibres, polymers or materials. It shall include all operations, products and activities incidental thereto and consequent thereon.

2.6.2 **Products:** Synthetic textile fibres and yarns

2.6.3 Fibre Manufacture and Processing

The handling, processing and manufacture of all classes of fibre, filaments including monofilaments, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include, but not limited to the fibres manufactured or processed from the following types of raw material:

Natural Fibres:

Cotton, kapok, coir, flax, hemp, jute, kenaf, ramie manila, Vegetable henequen, sisal, sugarcane or other plant seeds, bast or leaf material.

Animal Fibres:

Wool, mohair, cashmere, silk, angora, alpaca, feathers and any type of animal hair.

Mineral Fibres:

Asbestos or other inorganic material.

Manufactured Fibres:

Synthetic polymers: Polyethylene, polyolefin, polyvinyl, polyurethane, polyamide, aramid, polypropylene, polyester (PET/polyethylene terephthalate) and synthetic polyisoprene.

Natural Polymers: Made from or comprising alginate rubber, regenerated proteins, regenerated cellulose and cellulose ester.

Minerals: Including rock wool, carbon fibre and glass fibre or any other fibre manufactured from minerals.

Other: All other manufactured fibres and tapes not specified above.

2.6.4 **Scope as defined by process and activity for the Man-Made Fibre Sub-Sector**

2.6.4.1 **Yarn Production**

2.6.4.1.1 **Manmade Fibre Extrusion**

I. **Input Material:** virgin and recycled polymer chips / flacks / re-grind

II. **Machine Processes:** Extrusion machine: extrusion process and winding tape onto bobbins

III. **Output Product:** Fibre, filaments and mono-filaments

2.6.4.1.2 Man-Made Fibre Texturing

- i. **Input Material:** POY multifilament yarn
- ii. **Machine Processes:** Drawing and false twist of filament process
- iii. **Output Product:** False twisted and fully drawn yarn

2.6.4.1.3 Yarn Packaging

- i. **Input Material:** Yarn on ring-tubes / bobbin and yarn on cone
- ii. **Machine and Processes:** Winding, Twisting, 2 for 1 Twisting
- iii. **Output Product:** Re-winded, Re-twisted and Re-assembled yarn on cone

2.6.4.2 Storage, Sales and delivery:

- i. **Input Material:** Finale Product:
- ii. **Processes:** sales delivery, distribution, storage and administration of: Manmade fibre end **products**;
- iii. **Output Product:** Warehousing and or delivered to customer and or end user

2.7 CARPET SUB-SECTOR

2.7.1 Definition

Without in any way limiting with the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture and / or converting of:

- i. Carpets, rugs, mats and matting, carpet tiles, and rugs (including as used in applications for floors and walls in domestic, commercial and residential premises, as well as that found in all types of automobiles, airplanes, trains, ships and any other form of transport)
- ii. It shall include all operations, products and activities incidental thereon to and consequent upon such operations and manufacture, including sales, delivery, distribution, storage and administration.

2.7.2 Products: All types of carpets, rugs, carpet tiles and boardroom carpets.

2.7.3 Scope as defined by process and activity for the Worsted Sub-Sector

2.7.3.1 Fibre Preparation

2.7.3.1.1 Fibre Handling

- i. **Input Material:** Bales of fibrous stock
- ii. **Machine and Processes:** Raw material sorting, tearing, weighing, bale opening , blending, oiling
- iii. **Output Product:** Prepared and/or blended fibre

2.7.3.2 Yarn Production

2.7.3.2.1 Spun Yarn System

- i. **Input Material:** Prepared and/or blended fibre
- ii. **Machine and Processes:** Carding, Ringframe Spinning, Yarn Assembly Winding, Twisting Operations , Heat Setting, Hanking, Packaging
- iii. **Output Product:** Spun Yarn on bobbin or hanks.

2.7.3.2.2 Bulk Continuous Filament (BCF) yarn system

- i. **Input Material:** Unprocessed Bulk Continuous (BCF) Filament Yarn
- ii. **Machine and Processes:** Cabling Operations, Air Entangling, Winding, Packaging
- iii. **Output Product:** Processed BCF Yarn on tube / bobbin

2.7.3.3 Man-Made Fibre

2.7.3.3.1 Extrusion - Bulk Continuous Filament (BCF)

- i. **Input Material:** Polypropylene chips, Polyamide chips, Masterbatch
- ii. **Machine and Processes:** Polymer Chip Handling, Masterbatch preparation, Extrusion, Texturizing, Air Entangling, Winding, Packaging

iii. **Output Product:** Processed and unprocessed BCF Yarn

2.7.3.3.2 Extrusion - Staple

- i. **Input Material:** Polypropylene chips, Masterbatch
- ii. **Machine and Processes:** Polymer Chip Handling, Masterbatch preparation, Extrusion, Drawing, Cutting, Baling
- iii. **Output Product:** Polypropylene staple fibre

2.7.3.3.3 Extrusion – Flat tape

- i. **Input Material:** Polypropylene chips, Masterbatch
- ii. **Machine and Processes:** Polymer Chip Handling, Masterbatch preparation, Extrusion, Slitting, Drawing, Winding, Heat setting,
- iii. **Output Product:** Twisted/non-twisted Polypropylene Tape

2.7.3.3.4 Weaving

- i. **Input Material:** Dyed and processed Yarns
- ii. **Machine and Processes:** De-hanking, Creeling, Winding, Beaming
- iii. **Output Product:** Yarns prepared for weaving operations+

2.7.3.3.5 Warp Knitting

- i. **Input Material:** Yarn packages, Weft yarns, Warp yarns
- ii. **Machine and Processes:** Axminster Weaving, Flat Weaving, Wilton Weaving, Inspection
- iii. **Output Product:** Unfinished Woven Carpet

2.7.3.3.6 Weft Knitting

- i. **Input Material:** Yarn or cone or cheese packages
- ii. **Machine and Processes:** Weft knitting
- iii. **Output Product:** Pre finished weft knitted apparel

2.7.3.4 Non-Woven

2.7.3.4.1 Tufting Process

- i. **Input Material:** Yarn packages, primary backing

- ii. **Machine and Processes:** Creeling Operations, Tufting, Inspection
- iii. **Output Product:** Unfinished Tufted Carpet and Turf

2.7.3.4.2 Needle Punch Process

- i. **Input Material:** Polypropylene staple fibre
- ii. **Machine and Processes:** Fibre Preparation, Card laying, Cross laying, Needling, Structuring
- iii. **Output Product:** Unfinished Needle Punch

2.7.3.5 Dry Finishing and Heat Setting

- i. **Input Material:** Unfinished Carpet, Backing Compound
- ii. **Machine and Processes:** Compounding, Back coating, stentering, Shearing, inspection, Rerolling, packing
- iii. **Output Product:** Back coated, finished and sheared Carpet and Turf

2.7.3.6 Wet Process Dyeing

- i. **Input Material:** Fibre stock, yarn hanks
- ii. **Machine and Processes:** Fibre Dyeing (Stock Dyeing), Yarn Dyeing (Hank).
- iii. **Output Product:** Dyed fibres, Dyed yarn

2.7.3.7 Cut, Make and Trim

2.7.3.7.1 Rugs and Samples

- i. **Input Material:** Finished Carpet
- ii. **Machine and Processes:** Cutting, Overlocking, Inspection, Packaging
- iii. **Output Product:** Rugs and Samples, Packed and edged

2.7.3.8 Carpet Tiles

- i. **Input Material:** Bitumen and other binders, Filler, Finished Carpet
- ii. **Machine and Processes:** Tile Coating, Tile Cutting, Inspection, Packaging
- iii. **Output Product:** Packed Carpet tiles

2.8 NON-WOVEN SUB-SECTOR

2.8.1 Definition

The Non-woven sub-sector, without in any way limiting the ordinary meaning of the expression, shall mean the industry in which employers and employees are associated, either in whole or in part, for any activity whatsoever, for the manufacture of:

- i. All types of non-woven textile products (not limited to flock, wadding, padding, felt, underfelt, medical wadding, cotton wool and needle-punched, stitch-bonded, spun-bonded, chemically-bonded, thermo-bonded or laminated textile fibre materials. It shall include all operations, products and activities incidental thereto and consequent thereon defined as follows
- ii. The handling, processing and manufacture of fibre, yarns, threads, blends and manufactured raw materials from which these are derived, which shall include but not limited to the fibres manufactured or processed via various operations.
- iii. It shall include all operations, products and activities incidental thereon to and consequent upon such operations and manufacture, including sales delivery, distribution, storage and administration.

2.8.2 Products:

Include but are not limited to insulation, padding materials, filtration, wipes, laminated fabrics, geotextiles, medical textiles, technical textiles, hygiene products, and packaging materials

2.8.3 Fibre Manufacturing and Processes (Raw Materials):

- i. **Animal fibres:** wool, mohair, cashmere, silk, angora, alpaca, feathers, leather & animal skin / hair
- ii. **Natural Fibres:** cotton, jute, linen
- iii. **Regenerated Fibre:** bamboo, viscose, Tencel, modal fibre,

- iv. **Synthetic polymer:** Polypropylene, poly-methylene, polyolefin, poly-vinyl, polyurethane, polyamide, acrylic, aramid, polyester and synthetic polyisoprene

2.8.4 Scope as defined by process and activity for the Non-Woven Sub-Sector

2.8.4.1 Tearing

- i. **Materials:** Pre-used fabrics
- ii. **Manufacturing Processes:** manufacture of staple fibres for needle-punch and thermo-bonding processes
- iii. **Machine and Processes:** Cutting, tearing and baling
- iv. **Output Product:** Pre-used fabric for use in needle-punch / thermo-bonding applications.

2.8.4.2 Felted Non-Woven Fabric

- i. **Input Materials:** Cotton, jute, flax, synthetic fibres
- ii. **Manufacturing Processes:** Fibre blending, Carding, Lapping/cross webbing, Felting, Fulling, Dyeing, Drying/Stenting, Checking, Finishing
- iii. **Machine and Processes:** Carding, Needle-punch machine, cut make & trim
- iv. **Output Product:** Geo-Textiles, Insulation products, mattress, foam, floor covering, composites

2.8.4.3 Bonded Non-Woven Fabric

- i. **Input Materials:** Short & long staple fibres and filaments – natural or synthetic polymer
- ii. **Manufacturing Processes:** Dry-laid, wet-laid, polymer-melt / spun-melt
- iii. **Machine and Processes:** Fibre preparation, blending, carding and garnering
- iv. **Output Product:** Diapers, baby wipes, feminine pads, tampons, adult incontinence products, medical textiles, filter paper, teabag fabric, napkins, surgical gauze

2.8.4.4 Dry-Laid Formation

- i. **Input Materials:** Cotton fibres, synthetic fibres, viscose
- ii. **Machine and Processes:** Fibre preparation, blending, carding, web lapping and garnering
- iii. **Output Product:** Diapers, baby wipes, feminine pads, tampons, adult incontinence products, medical textiles.

2.8.4.5 Wet-Laid Formation

- i. **Input Materials:** Wood pulp, mineral, synthetic and man-made fibres e.g. glass, polyester, polyamide, and regenerated fibre.
- ii. **Machine and Processes:** Fibre preparation, blending, carding, web lapping and garneting.
- iii. **Output Product:** Filter paper, teabag fabric, napkins, surgical gauze

2.8.4.6 Spun-Melt

- i. **Input Materials:** Polypropylene, PET, Nylon, PE, Polyester Synthetic Thermoplastic Resin
- ii. **Machine and Processes:** Extruder, webbing, thermo-bonding
- iii. **Output Product:** Shopping Bags, PPE for medical uses

2.8.4.7 Melt-Blown

- i. **Input Materials:** melt blowing using thermoplastic fibre forming polymer
- ii. **Machine and Processes:** Linear Dye Extruder, webbing, thermo-bonding
- iii. **Output Product:** Filter paper, N95 masks, Personal Protective Gowns, surgical masks, napkins, teabag fabric, water filters

2.8.4.8 Laminating

- i. **Input Material:** Natural fibres, Manufactured fibres, pre-used Fibres
- ii. **Machine and Processes:** Flame-bonding, roller-coating, spray applications, hot melt

iii. **Output Product:** Insulations, automotive applications

2.8.4.9 Clicking

- i. **Input Material:** Leather, Masonite board, plastic that has been needle-punched or thermo-bonded.
- ii. **Machine and Processes:** Click presses, Laser profile cutting.
- iii. **Output Product:** automotive applications, apparel, general home products.

2.8.4.10 Cut, Make and Trim

- i. **Input Material:** Finished products
- ii. **Machine and Processes:** Cutting, slitting, overlocking, folding, shrink wrapping, packing, pricing, string removal, trimming, hand knotting, sewing, binding, scanning, handling systems, conveyers and transporting
- iii. **Output Product:** Loose and packed products


REGISTRAR OF LABOUR RELATIONS

DATE: 06/03/2025