Queensland Government

Industry Capability Network

Queensland Government COVID-19 (Coronavirus)
Manufacturing Supply Chain support

Supply of medical gowns and/or fabric for medical gowns

General Description

The Queensland Government is seeking expressions of interest from companies with the capability to supply fabric suitable for the manufacturing of gowns for use in an Australian hospital setting and/or the capability to manufacture gowns for use in an Australian hospital setting.

Technical information for potential suppliers

Queensland Health specifications for gowns lists four (4) types of gowns:

- Low Fluid Resistant Gown, Sterile
- Medium Fluid Resistant Gown, Sterile
- High Fluid Resistant Gown, Sterile
- High Fluid Resistant Gown, Non-sterile.

The specifications for each type of gown are available below (Page 3 onwards)

Queensland Health advice issued on 7 March 2020 "General considerations for conserving personal protective equipment (PPE)" states that *"Consideration can be given to using alternative products…"*. This includes *"…reusable gowns, including splash resistant gowns, are available in most hospitals and may be considered for use in certain areas that currently use single use items…"*.

Advice issued by the Therapeutic Goods Administration on suppliers who respond here should review the specifications and indicate their:

- immediate capacity and quantity that can be supplied
- ongoing capacity and quantity that can be supplied (e.g. per month) timeframes for production and delivery
- any capabilities needed to scale up their capacity, quantities and by what timeframes.

Expressions of Interest

The Queensland Government encourages local businesses interested in supplying medical gowns and/or fabric for medical gowns suitable for use in an Australian hospital setting to register an expression of interest (EOI) through the ICN Gateway webpage.

Specific Scope Requirements

Supply of fabric suitable for the manufacturing of gowns for use in an Australian hospital setting and/or the capability to manufacture gowns for use in an Australian hospital setting.

Opens:	1 April 2020
Full scope closes:	11 April 2020
Location of works:	Queensland
Forecast Award Date:	Immediate and as needed
Indicative volume:	In excess of 1,000 units per week

Disclaimer

The Scope of Work is indicative only and is intended to be used as a summary description of work which may be required by an organisation and may be subject to change. There is no undertaking to contract or proceed to a competitive process implied by this form. Further contact with interested suppliers will be at the discretion of the organisations seeking this product.

CLINICAL REQUIREMENTS

1 Apron, Plastic

Offerors are required for the following type of plastic apron:

Apron, Plastic; non sterile, disposable; and

Apron, Plastic; non sterile, long sleeve, disposable

Plastic aprons are required in two (2) approximate sizes:

600 mm x 1200mm; and

800 mm x 1400 mm

The plastic apron shall be manufactured from low-density materials of not less than 25 microns.

The long sleeve apron shall have the capacity to remain in situ at the wrist.

1.2 Eyewear, Protective

(a) Offers are required for the following types of protective eyewear:

(i) Eyewear, Protective; glasses style, reusable;

(ii) Eyewear, Protective; to wear over prescription glasses, reusable;

(iii) Eyewear, Protective; glasses style, disposable; and

(iv) Eyewear, Protective; face shield, disposable

(b) The protective eyewear shall:

(i) be designed to offer protection to the eye from blood and body fluid splash and hazardous materials;

(ii) have a clear, scratch-resistant lens;

(iii) have all external surfaces rounded and free from sharp moulding edges/joins; and

(iv) have a fog-free mechanism.

(c) The reusable protective eyewear shall be designed to be well fitting and comfortable to wear for prolonged periods.

(d) Adjustable options required.

1.3 Gloves, Operator Protection, Non-Latex, Powder Free

(a) Offers are required for the following types of operator protective gloves:

(i) Gloves, Operator Protection, non-latex, powder free; for use when handling hazardous chemicals, non-sterile;

(ii) Gloves, Operator Protection, non-latex, powder free; for use when handling hazardous chemicals, gauntlet style, paired, non-sterile; and

(iii) Gloves, Operator Protection, non-latex, powder free; for use when cleaning, paired, non-sterile (e.g. wash up gloves)

(b) Independent testing data stating the efficacy of the operator protection glove against hazardous chemicals and wear time must be included in the offer. Failure to include such data may result in non-consideration of the product offered. Hazardous chemicals shall include, but not be limited to:

(i) Peracetic acid;

(ii) Hydrogen peroxide;

(iii) Formalin;

(iv) OPA;

(v) Chlorine;

(vi) Glutaraldehyde;

(vii) Sodium hypochlorite; and

(viii) Cytotoxic

(c) The operator protection gloves shall have a minimum cuff length of 300mm. The gloves shall be resistant to tears, punctures and abrasion.

(d) The gloves shall be:

(i) easy to identify type;

(ii) easy to apply;

(iii) free from defects;

(iv) wrinkle free;

(v) resistant to cuff roll back;

(vi) close fitting without being restrictive;

(vii) tear free under normal use;

(viii) comfortable to wear;

(ix) able to provide appropriate sensitivity level; and

(x) designed with a finish that will assist with gripping objects immersed in solution.

1.4 Gloves, Patient Examination and Treatment

(a) Offers are required for the following types of patient examination and treatment gloves:

(i) Gloves, Patient Examination and Treatment; latex, textured, non-sterile;

(ii) Gloves, Patient Examination and Treatment; latex, textured, non-sterile, single;

(iii) Gloves, Patient Examination and Treatment; latex, smooth, non-sterile;

(iv) Gloves, Patient Examination and Treatment; latex, sterile, single;

(v) Gloves, Patient Examination and Treatment; non-latex, non-sterile;

(vi) Gloves, Patient Examination and Treatment; non-latex, sterile, single;

(vii) Gloves, Patient Examination and Treatment; minimum 400mm length, sterile, paired; and

(viii) Gloves, Patient Examination and Treatment; minimum 400mm length, non-sterile

(b) The patient examination and treatment gloves shall have cuffs with an overall length of not less than 230 mm, with the exception of items stated to be a minimum of 400mm in length.

(c) The gloves shall be:

(i) easy to identify type;

(ii) easy to apply;

(iii) free from defects;

(iv) wrinkle free;

(v) resistant to cuff roll back;

(vi) close fitting without being restrictive;

(vii) tear free under normal use;

(viii) comfortable to wear;

(ix) able to provide appropriate sensitivity level;

(x) non slippery to allow grip of moist objects during procedures; and

(xi) Packaged in a manner that allows easy withdrawal of a single unit without wastage

(d) The sterile gloves shall be easy to open aseptically.

(e) Packaging of latex free gloves should be marked 'Latex Free'.

1.5 Gloves, Surgical, Powder Free

(a) Offers are required for the following types of surgical gloves:

(i) Gloves, Surgical, Powder Free; latex, extra thin, sterile, paired;

(ii) Gloves, Surgical, Powder Free; non-latex, extra thin, sterile, paired;

(iii) Gloves, Surgical, Powder Free; latex, sterile, paired;

(iv) Gloves, Surgical, Powder Free; non-latex, sterile, paired;

(v) Gloves, Surgical, Powder Free; latex, orthopaedic, sterile, paired;

(vi) Gloves, Surgical, Powder Free; non-latex, orthopaedic, sterile, paired;

(vii) Gloves, Surgical, Powder Free; latex underglove, sterile, paired; and

(viii) Gloves, Surgical, Powder Free; non-latex underglove, sterile, paired

(b) The surgical gloves shall:

(i) be easy to identify type;

(ii) be easy to open aseptically;

(iii) have an inner wrapper that provides a sterile field;

(iv) be easy to apply;

(v) be free from defects;

(vi) be wrinkle free;

(vii) have an overall cuff length of not less than 260mm;

(viii) be resistant to cuff roll back;

(ix) be close fitting without being restrictive;

(x) be tear free under normal use;

(xi) be comfortable to wear; and

(xii) provide appropriate sensitivity level

(c) The surgical underglove should be offered in an alternate colour to the outer glove.

1.6 Gown

(a) Offers are required for the following gowns:

(i) Gown; low fluid resistant, sterile;

(ii) Gown; medium fluid resistant, sterile;

(iii) Gown; high fluid resistant, sterile; and

(iv) Gown; high fluid resistant, non-sterile

(b) The Sterile Gowns shall meet the following criteria:

Gown Category	Criteria	Unit of Measure	Minimum Standard	Minimum Standard
Low Fluid Resistant Gown, Sterile	Resistance to Liquid Penetration	cm H_2O	≥20	EN 13795 or AAMI Level 2
	Linting	Log_{10} nb of particles	≤ 4.0	EN 13795
	Flammability		Class I	US NFPA 702 or CPSC 16 CFR Part 1610
Medium Fluid Resistant Gown, Sterile	Resistance to Liquid Penetration	cm H_2O	≥50	EN 13795 or AAMI Level 3
	Linting	Log_{10} nb of particles	≤ 4.0	EN 13795
	Flammability		Class I	US NFPA 702 or CPSC 16 CFR Part 1610
High Fluid Resistant Gown, Sterile	Resistance to Liquid Penetration	cm H_2O	≥100	EN 13795 or AAMI Level 3
	Linting	Log_{10} nb of particles	≤ 4.0	EN 13795
	Flammability		Class I	US NFPA 702 or CPSC 16 CFR Part 1610

(c) Sterile Gowns shall:

(i) be packed and folded in a manner that allows the clinician to handle and don the gown without contaminating the sterile surfaces of the gown;

(ii) have soft fabric cuffs;

(iii) have ties or fasteners to secure the back of the gown;

(iv) have long sleeves;

(v) have an overlapping back;

(vi) have a pass off tie to secure the overlapping back, with the tag to be of sufficient size to be easily handled; and

(vii) Be offered in a range of sizes and lengths

(d) The Non-Sterile Gowns shall meet the following criteria:

High Fluid Resistant Gown, Non-sterile	Resistance to Liquid Penetration	cm H_2O	≥100	EN 13795 or AAMI Level 3

(e) Non Sterile Gowns shall:

(i) be able to be secured at the back; and

(ii) have long sleeves that shall have the capacity to remain in situ at the wrist

(f) Offerors shall provide data to validate that the minimum standard listed in the above criteria has been met by the offered product.

1.7 Mask, Face

(a) Offers are required for the following types of face masks for use in healthcare:

(i) Mask, Face; fluid resistant; sub-micron, with visor, with ear loops;

(ii) Mask, Face; fluid resistant; sub-micron, with visor, with ties;

(iii) Mask, Face; fluid resistant; sub-micron, without visor, with adhesive strip at nose piece, fog free;

(iv) Mask, Face; fluid resistant; sub-micron, without visor, with ear loops;

(v) Mask, Face; fluid resistant; sub-micron, without visor, with ties; and

(vi) Mask, Face; fluid resistant; particulate filtration respirator

(b) Fluid Resistant, sub-micron face masks shall be manufactured in accordance with AS4381:2015.

(c) Offerors shall provide recognised independent laboratory test results to confirm bacterial and particle filtration efficiency, fluid resistance and differential pressure (breatheability), using the test methods outlined in AS 4381-2015.

(d) Ties shall be securely bonded to the body of the mask and shall not fray or tear under normal conditions of use. Length of each tie shall be a minimum of 300mm.

(e) Particulate filter respirators shall:

(i) meet the criteria for a P2 particulate filter respirator as outlined in A/NZS 1716:2012 or be certified by the U.S.A. National Institute for Occupational Safety and Health (NIOSH);

(ii) be suitable for use in health care environments including surgical procedures;

(iii) not be fitted with an exhalation valve; and

(iv) It is intended that the supply of masks under this arrangement will be a limited panel listing

(f) The nose piece shall be readily moulded for an individual close fit around the wearer's nose and cheeks. The nose piece shall be enclosed within the body of the mask.

2. THERAPEUTIC GOODS ACT

2.1 Offerors shall ensure that TGA registration numbers for all products offered.

2.2 Offerors shall provide a TGA certificate showing inclusion on the Australian Register of Therapeutic Goods (ARTG) for the medical device or therapeutic Goods.