Annex

Supply of Surgical Mask, Regular Size to Government Logistics Department

Technical Specifications

Purpose of the Goods : The Goods are procured for the purpose to provide protection against infection.

M : Mandatory Feature **D : Desirable Feature**

1.	**General Description**
1.1	It shall be rectangular shaped containing three-fold pleats which open to form a cup-shaped mask covering the nose and mouth areas of the face with low breathing resistance and excellent filter characteristics. (M)
2.	**Material Standards**
2.1	The masks shall be composed of latex free, fiberglass free and hypoallergenic material. (M)
2.2	Outer Facing: Non-woven fabric with fluid repellent property. Blue / Green / Pink / Purple / Yellow / White in colour, odorless and free of lint.(M)
2.3	Filter Medium: Melt blown high quality filter media made of polypropylene or similar materials. (M)
2.4	Inner Facing: Non-woven fabric with fluid **absorbent property**. Void of dyes, chemicals and inks. Soft and odorless. (D)
2.5	Nose Piece: malleable flat aluminum or polyethylene covered steel wire. (M)
2.6	Elastic Ear Loop: Knitted Polyester elastic / Polyurethane covered with Nylon & Polyester Yarn. (M)
3.	**Measurements:**
3.1	Length : 18 cm ± 5% (M)
3.2	Width : 9 cm ± 5% (M) (Not less than 16 cm when fully extended) (M)
3.3	Number of pleats: 3 (M)
3.4	Nose Strip : Not less than 100 mm x 2 mm (M)
3.5	Elastic band: Standardized ear-loop for optimal periphery seal. Ample in length, yet soft and strong for maximum comfort. (M) Suggested inner circumference : 14.5cm (D)
4.	**Appearance**
4.1	Free of holes, cuts, tears or any other imperfections or defects that will detract the appearance of the mask or impair its serviceability. (M)

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4.2	The inner facing fabric of the mask shall be folded over the longer sides of the mask and sewed / ultrasonically welded to prevent fabric delamination. (M)
4.3	The elastic band shall be ultrasonically welded / sewed at each corner. (M)
4.4	The nose piece shall be provided to afford maximum comfort and maintaining the contours of the nose of wearer. (M)
4.5	The nose piece shall be put into the mask body completely and prevent protruding out easily. (M)
4.6	Top and bottom of the mask body shall be sewed / ultrasonically welded completely. (M)
4.7	The short sides of the folded mask shall be secured by sewed / ultrasonically welded. (M)
5.	**Filtration Efficiency, Air Exchange Pressure Test, Fluid Resistance & Flammability Class** (Upon the Government's request, Independent Accredited Laboratory report shall be submitted to prove the product compliance)
5.1	The mask shall have a bacterial filtration efficiency (BFE) rate of not less than 95 percent efficiency with mean particle size of 3.0 microns. (M)
5.2	The mask shall have a particulate filtration efficiency (PFE) rate of not less than 95 percent efficiency with mean particle size of 0.1 micron. (M)
5.3	The value of the Differential Pressure (Delta P) test shall not greater than 4.0 mm H_2O/cm^2. (M)
5.4	Synthetic Blood Penetration Resistance shall be $\geq$ 80 mmHg (M)
5.5	Flammability class: Class 1 or Class 2 (M)
6.	**Each container shall be legibly marked with the following information:**
6.1	The manufacturer's name or trade mark or recognized symbol (M)
6.2	Description of the content (M)
6.3	Lot Number (M)
6.4	Manufacturing Date (M)
7.	**The transport container (outer carton) shall be legibly marked with the following information:**
7.1	The manufacturer's name, trade mark or recognized symbol (M)
7.2	Description of the content (M)
7.3	Lot Number (M)
7.4	Manufacturing Date (M)

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7.5	Place of origin (M)
7.6	Recommended storage conditions (D)
7.7	Weight of transport container (D)