

**TECHNICAL SPECIFICATIONS FOR PERSONAL PROTECTIVE EQUIPMENT**

	<b>item description</b>	<b>Unit</b>	<b>Qty</b>
1	Surgical Masks Disposable, 3 Ply (50 pieces per box) - 50 boxes per county for 40 counties	Boxes of 50 packets in each	2,000
2	Surgical Gloves, Medium size( 100 pieces per box)50 boxes per county for 40 counties	Boxes of 100 Pcs in each	2,000
3	Surgical Gloves, Large size (100 pieces per box)50 boxes per county for 40 counties	Boxes of 100 Pcs in each	2,000
4	Full PPE kits (Protective overalls, nitrile gloves, Eye splash shield, N95- face mask, shoe cover) -300 kits per county for 40 affected counties		
i	Protective coveralls	Piece	1
ii	Nitrile gloves	Pair	1
iii	Eye splash shield	Piece	1
iv	N95- particulate respirator mask	Pack of 10 pieces	1
v	Shoe cover	Piece	1

**1. Surgical Masks Disposable, 3Ply**

**Product Parameters**

- Surgical masks are made from non-woven cellulose material
- Shape – rectangular.
- Measurements: Width - 10cm, Length – 19cm
- Must be 3 ply
- Should have folds in the middle of 1.5cm in width
- Should have four straps from each of the four corners of 42cm each

- Sky blue/light green in colour

### **Packaging Parameters**

- In a box of 50 Pieces.
- Standard weight of carton 15-20kg.

### **Labeling Parameters**

- Labeling should be legible and in English.
- Each carton to be clearly marked with the name and characteristics of the product and number of units per carton.
- To be imprinted in indelible ink with bold block letters
- Product should be labeled, "GOK/MOH", Manufacturer's Name and address and Country of Origin, batch no, manufacture and expiry dates
- Manufacturer must be KEBS/ISO certified or equivalent
- Must conform with KEBS/ISO Standards

### **Submission of sample**

Submit a sample of one pack (50 pieces) for evaluation

## **2. Surgical gloves – latex disposable Medium size (powdered)**

### **Product parameters:**

- Gloves, examination
- Ambidextrous( worn on either hand right or left)
- Latex material
- Pre- powdered
- Hypoallergenic
- The gloves to have straight fingers.
- Finger thickness single wall – 0.15mm
- Palm thickness single wall – 0.12mm
- Cuff thickness single wall – 0.08mm
- Tensile strength minimum 18MPa before aging and 14MPa after ageing.
- Elongation percentage (%) – 650% before ageing and minimum 500% after ageing.
- Modulus 500% - 5.5MPa.
- Force at break (N) – minimum 9N before ageing and minimum 6N after ageing.
- Protein content – maximum 200µg/dm<sup>2</sup>.
- Powder level maximum 10mg/dm<sup>2</sup>.
- Accommodates pressure of 22kPa ±5kPa
- The powder must be adequate.
- Cuff termination must be in the form of rolled rim.
- Disposable

- Non-sterile but clean
- Glove has a firm and fitting cuff
- The cuff should not tear off when applied over raglan sleeves
- Airtight.
- Gloves closely fit the morphology of the hand
- Should not have hard masses.
- Should not tear easily while gloving
- Must not leak
- Perforated area for opening on top of the box Page 76 of 99 76
- Weight and Volume: Estimated weight: 0.070 kg Estimated volume: 0.400 cdm

### **3. Surgical gloves – latex disposable large size**

- Gloves, examination
- Ambidextrous( worn on either hand right or left)
- Latex material
- Pre- powdered
- Hypoallergenic
- The gloves to have straight fingers.
- Finger thickness single wall – 0.15mm
- Palm thickness single wall – 0.12mm
- Cuff thickness single wall – 0.08mm
- Tensile strength minimum 18MPa before aging and 14MPa after ageing.
- Elongation percentage (%) – 650% before ageing and minimum 500% after ageing.
- Modulus 500% - 5.5MPa.
- Force at break (N) – minimum 9N before ageing and minimum 6N after ageing.
- Protein content – maximum 200µg/dm<sup>2</sup>.
- Powder level maximum 10mg/dm<sup>2</sup>.
- Accommodates pressure of 22kPa ±5kPa
- The powder must be adequate.
- Cuff termination must be in the form of rolled rim.
- Disposable
- Non-sterile but clean
- Glove has a firm and fitting cuff
- The cuff should not tear off when applied over raglan sleeves
- Airtight.
- Gloves closely fit the morphology of the hand
- Should not have hard masses.
- Should not tear easily while gloving
- Must not leak
- Perforated area for opening on top of the box Page 76 of 99 76
- Weight and Volume: Estimated weight: 0.070 kg Estimated volume: 0.400 cdm

GLOVE DIMENSIONS AND TOLERANCES				
SIZE	WIDTH (mm)	MINIMUM LENGHT H (mm)	(CUFF SINGLE WALL)MAXIMUM THICKNESS (mm)	(PALM DOUBLE WALL) MINIMUM THICKNESS (mm)
Medium	95±5	230	Smooth area 0.08mm Textured area 0.11mm	Smooth area 0.22mm Textured area 0.24mm
Large	105±5	230	Smooth area 0.08mm Textured area 0.11mm	Smooth area 0.22mm Textured area 0.24mm

**Packaging parameters:**

- Must be packed in boxes of 100 pieces.
- Standard weight of carton 15-20kg during the final delivery to warehouse.

**Labeling parameters:**

- Labeling should be in English
- Legible and in indelible ink and not on a stick on.
- The primary, secondary and tertiary package should be labeled with “GOK/MOH” manufacturers name and address, Country of origin, Batch No, Date of manufacture and Expiry date
- Each carton to be clearly marked with the name and characteristics of the article and number of units per carton.
- Should conform to KEBS / ISO standards or equivalent with an approved quality mark printed on the packaging material.
- Manufacturer must be KEBS / ISO certified or equivalent

**Submission of sample:**

- Submit a sample of one (1) box for evaluation.
- Each carton to be clearly marked with the name and characteristics of the article and number of units per carton.
- Should conform to KEBS / ISO standard or equivalent.
- Manufacturer must be KEBS / ISO certified or equivalent

**Submission of Sample.**

- Submit 10 pieces for evaluation.

#### **4. FULL PPE KITS (kits (Protective overalls, nitrile gloves, Eye splash shield, N95- facemask, shoe cover)**

##### **I. Coverall, Protection, Cat III, Type 3b**

##### **General Description**

- Liquid-tight biohazard-protective coverall, for use in EVD patient-isolation units for infection prevention and control against viral penetration.

##### **Size**

- Medium
- Large
- Extra Large

##### **Product Specifications**

- Elasticated hood around face.
- Elasticated cuffs and ankles.
- Sleeves with elasticated thumb loop.
- Protective seams providing barrier equal to fabric.
- Zipper with re-sealable flap protecting leakage through seams.
- Each coverall has a stitched-in neck label indicating the type and performance of the suit against the below mentioned standards.
- Color: White/ yellow/orange
- Material: Lightweight, do not contain rubber/ latex.
- Antistatic treated on both sides.
- Fabric is Infective agent tested against viral penetration at minimum 1.75kPa
- Non-sterile
- Single Use, disposable

##### **Quality Standards**

##### **Conforms to:**

- European Directive 89/686/EEC on personal protective equipment Category III: Chemical protective coverall, Type 4 comply with EN14605:2005+A1:2009 (or equivalent) marketing approval certificate.
- Barrier to infective agent standards: EN 14126:2003 certified passing infectious agent test according to ISO 16604:2004 (Resistance to penetration by blood-borne pathogens using bacteriophage Phi-X 174) standard at minimum exposure pressure of 1.75kPa (class 2) (or equivalent international standard)

Performance requirement ISO standards:

- EN 340 – General requirements
- EN ISO 17491-4 (EN 468) – Spray aerosol test method
- EN 14325 – Test methods & performance classification
- EN ISO 3758 – Textile care symbol
- EN 12941 – Respiratory Protective Devices - Powered Filtering Device
- EN 31092 – determination of physiological properties – thermal and water vapour resistance

**Packaging and labelling**

- Individually packaged in a transparent plastic bag. Supplied with supplier's instruction for use.
- All labelling must be in English
- The primary and tertiary package should be labelled "GOK/MOH" in bold letters (6" size minimum)
- Labeling on primary packaging must include:
  - Manufacturer's name and address
  - Country of origin,
  - Name and/or trademark of the manufacturer
  - Batch No, Date of manufacture and Expiry
  - Manufacturer's product reference
  - Type of product and main characteristics
  - Instructions for disposal
  - type and performance testing information against the mentioned standards.
- Information for particular storage conditions (temperature, pressure, light, humidity, etc.), as appropriate (or equivalent harmonized symbol)
- Information for handling, if applicable (or equivalent harmonized symbol)
- Labelling on the secondary packaging unit to be the same as primary packaging
- Extra information required: Number of units per box

**II. Nitrile gloves**

**Product parameters:**

- Latex or nitrile material
- Powdered free
- The gloves to have straight fingers
- Finger thickness single wall – 0.15mm
- Palm thickness single wall – 0.12mm
- Cuff thickness single wall – 0.08mm
- Tensile strength minimum 18MPa before aging and 14MPa after ageing.
- Elongation percentage (%) – 650% before ageing and minimum 500% after ageing.
- Modulus 500% - 5.5MPa.
- Force at break (N) – minimum 9N before ageing and minimum 6N after ageing..
- Accommodates pressure of 22kPa  $\pm$ 5kPa

- Cuff termination must be in the form of rolled rim.
- Must be sterile (mode indicated)
- Glove has a firm and fitting cuff.
- The cuff should not tear off when applied over raglan sleeves
- Glove is watertight (accommodates 1000cm<sup>3</sup> of water).
- Air tight.
- Pair contains 1 right handed glove and 1 left handed glove and properly labeled as such.
- Gloves closely fit the morphology of the hand
- Should not have hard masses
- Should not tear easily while gloving
- Should not leak
- Should drop easily from the pack during procedure
- Weight and Volume: Estimated weight: 0.070 kg Estimated volume: 0.400 cdm

GLOVE DIMENSIONS AND TOLERANCES			
SIZE	WIDTH (mm)	MINIMUM LENGTH (mm)	MAXIMUM THICKNESS (mm)
7.5	95±5	270	Smooth area 0.10, textured, area 0,13

#### **Packaging parameters:**

- Each pair should be individually packed in a waterproof sterile easy peel pack and not tear pack.
- Should be packed in boxes of 50 Pairs
- Standard weight of carton 15-20kg during the final delivery to warehouse. Labeling parameters:

#### **Labeling should be in English**

- Legible and in indelible ink and not on a stick on.
- The primary, secondary and tertiary package should be labeled with "GOK/MOH" manufacturers name and address, Country of origin, Batch No, Date of manufacture and Expiry date
- Each carton to be clearly marked with the name and characteristics of the article and Page 82 of 132 82 number of units per carton.
- Should conform to KEBS / ISO standards or equivalent
- Manufacturer must be KEBS / ISO certified or equivalent

**Submission of sample:**

- Submit a sample of one (1) box of 50 pairs for evaluation.

**III. Safety google /eye splash shield (confirmed)**

**Product parameters:**

- Durable
- Provide side protection of the eye
- Fit properly
- Comfortable to wear
- Provide unrestricted vision of the eye
- Cleanable
- Have a CE mark or any approved quality mark
- Canadian Standards Association (CSA) standard Z94.3-07: Eye and Face Protectors13. Fluid resistant
- Must have double anti-static No- glare optical shield

**Packaging parameters:**

- Packed individually
- In a box of 50 Pieces.
- Standard weight of carton 15-20kg during final delivery to the warehouse. **Labeling**

**parameters:**

- Labeling should be in English.
- Legible and in indelible ink and not on a stick on.
- The primary, secondary and tertiary package should be labeled“GOK/MOH” With manufacturers name and address, Country of origin, Batch No, Date of manufacture and Expiry.
- If awarded the tender the packages should also be marked clearly
- Each carton to be clearly marked with the name and characteristics of the article and number of units per carton during the final delivery to warehouse
- Should conform to KEBS / ISO standards or equivalent
- Manufacturer must be KEBS / ISO certified or equivalent

**Submission of sample:**

- Submit a pack of 50's for evaluation.

**IV. N95 PERTICULATE RESPIRATOR MASK**

**Product parameters**

- 9200 Series
- Exhalation tropical Valve.
- Soft nose pad and adjustable nose clip.



- Inner panels are constructed of a softer material than the external shell.
- Sterile
- Disposable
- Have a CE mark or any approved quality mark.

**Packaging parameters:**

- Should be packed in 10 pieces/pack.
- Standard wt. of carton 15-20kg during final delivery to the warehouse.

**Labeling parameters:**

- Labeling should be in English.
- Legible and in indelible ink and not on a stick on.
- The primary, secondary and tertiary package should be labeled“GOK/MOH” with manufacturers name and address, Country of origin, Batch No, Date of manufacture and Expiry.
- Each carton to be clearly marked with the name and characteristics of the article and number of units per carton.
- Should conform to KEBS / ISO standard or equivalent.
- Manufacturer must be KEBS / ISO certified or equivalent

**Submission of Sample.**

- Submit 10 pieces for evaluation.

**V. Overshoe Cover, Disposable, Latex Sole**

**Product parameters**

- Made from durable and breathable non-woven polypropylene material
- Universal fit for various foot and shoe sizes
- Colour: light blue /light green
- Full Elastic round the whole rim for protection against contaminants and enhanced fit. Elastic should be well stitched to the rim for secure fit
- Tear-resistant and durable
- Weight/thickness: 9g
- Embossed
- Breathable
- Impervious to fluids

- Should be Antistatic treated
- Latex sole to prevent slipping and to improve sure-footedness
- Should be smooth
- Non sterile

**Size**

- Universal Size: 36-46

**Packaging parameters**

- Should Packed in multiples of 10's to make 100 in a primary pack
- Standard weight of carton 15-20kg during the final delivery to warehouse.

**Labeling parameters**

- Labeling should be in English.
- Legible and in indelible ink and not on a stick on.
- The primary, secondary and tertiary package should be labeled "GOK/MOH" with manufacturer's name and address, Country of origin, Batch No, Date of manufacture and Expiry. (GOH/MOH markings MUST be done at pre delivery and full consignment).
- Each carton to be clearly marked with the name and characteristics of the product and number of units per carton.
- Should conform to KEBS/ISO standard or equivalent.
- Manufacturer must be KEBS/ISO certified or equivalent.

**Submission of sample**

- Submit a pack of 10 pieces of each size for evaluation