

Emergency Procurement COVID- 19
Technical Specification of Medical Supplies

1. Personal Protective Coverall (Garments) - along with shoe cover - option 1

- Impermeable to blood and body fluids
- Single use
- Avoid culturally unacceptable colors e.g. black.
- Light colors are preferable to better detect possible contamination
- Thumb/finger loops to anchor sleeves in place
- Quality compliant with following standard
 - a. Meets or exceeds ISO 16603 class 3 exposure pressure, or equivalent
 - b. EN 14126 (barrier to infective agents) certified.

Note: Bidders shall quote for the Complete coverall (for head to ankle) with separate boot legging.

2. Personal Protective Coverall (Garments) with Tape over seam along with shoe cover - option 2

- Single use
- Avoid culturally unacceptable colours e.g. black
- Light colours are preferable to better detect possible contamination
- The Fabric, Garment/Coverall and Seam should pass Synthetic Blood Penetration test at SITRA, Coimbatore. Manufactures/suppliers submitting the pass certificate as above would be qualify.
- Coverall shall be designed to be universal Fit
- Coverall shall have in built Hood Cap
- Zipper of the coverall shall be covered with a flap to avoid accumulation of microbes
- Soft Elastic to be fitted around Front of hood, wrists & ankles

- Boot Cover:
 - Pair of Boot Covers made of same fabric as of Coverall
 - Soft elastic to be fitted at two levels, ankle and end

3. Goggles

- With transparent glasses, Zero power, well fitting, covered from all sides with elastic band/or adjustable holder.
- Good seal with the skin of the face.
- Flexible frame to easily fit all face contours without too much pressure.
- Covers the eyes and surrounding areas and accommodates for prescription glasses.
- Fog and scratch resistant.
- Adjustable band to secure firmly so as not to become loose during clinical activity.
- Indirect venting to reduce fogging.
- May be re-usable (provided appropriate arrangements for decontamination are in place) or disposable.
- Quality compliant with the below standards, or equivalent:
 - a. EU standard directive 86/686/EEC, EN 166/2002
 - b. ANSI/SEA Z87.1-2010

4. N-95 Masks

- Shape that will not collapse easily
- High filtration efficiency
- Good breathability, with expiratory valve
- Quality compliant with standards for surgical N95 respirator:
 - a. NIOSH N95, EN 149 FFP2, or equivalent
- Fluid resistance: minimum 80 mmhg pressure based on ASTM F1862, ISO 22609, or equivalent.
- Quality Compliant with standards for particulate respirator that can be worn with full-face shield

5. Nitrile Gloves (Size 6.5, 7 & 7.5)

- Nitrile
- Non-sterile
- Powder free
- Outer gloves preferably reach mid-forearm (minimum 280mm total length)
- Different sizes (6.5, 7 & 7.5)
- Quality compliant with the below standards, or equivalent:
 - a. EU standard directive 93/42/EEC Class I, EN 455
 - b. EU standard directive 89/686/EEC category III, EN 374
 - c. ANSI/SEA 105-2011
 - d. ASTM D6319-10

6. Face Shield

- Made of clear plastic and provides good visibility to both the wearer and the patient
- Adjustable band to attach firmly around the head and fit snugly against the forehead
- Fog resistant (preferable)
- Completely covers the sides and length of the face
- May be re-usable (made of material which can be cleaned and disinfected) or disposable
- Quality compliant with the below standards, or equivalent:
 - a. EU standard directive 86/686/EEC, EN 166/2002
 - b. ANSI/SEA Z87.1-2010

7. Triple Layer Surgical mask with elastic band

Three layered surgical mask of non-woven material with nose piece, having filter efficiency of 99% for 3 micron particle size.

- A. ISO 13485 / ISO 9001 / EN14683 or equivalent

8. Viral Transport Medicum with Swab (Nasal or Throat swab)

9 & 10 - Hand Sanitizer (500ml &100ml)

Option 1:

2 Propanol BP 45 %

1 Propanol BP 30 % Macetronium ethyl sulphate 0.2%

Option 2:.

Isopropyl alcohol IP....72%w/w

Quinolone yellow

Triclosan .30% w/w

Excitients-q.s

Option 3:.

Chlorhexidine Gluconate soln IP 2.5% v/v

Ethyl Alcohol IP 70% v/v

Option 4:

Ethanol - 72.34% v/v

Propylene Glycol - 1%

Glycine - 1%

Aloe Vera Extract - 0.1%

DM water - 25.56%

11. Sterile Gloves:

- **Latex - IS 13422 with ISI mark**

12. Non Sterile (Disposable)

- **Latex - IS 4148 with ISI mark**

19. Digital Infrared Thermometer (any make)

- Measures the body temperature by determining the infrared reflected from the front radiation (no contact).
- Measuring range of the infrared temperature (body) from 32□ to 42.5□
- Resolution 0.1□
- High accuracy+/-0.2□
- Obtaining quick results: Time response 1 second
- Indication of measured value in □ or °F
- Limit value for the adjustable alarm as programmable
- Distance of measuring: at least 15 cm
- Memory to store (expandable memory desirable)
- Easy to use, robust
- Automatic switch off
- Display backlight glow
- Waterproof lens easy to clean and disinfect
- Batteries: Which are replaceable/chargeable
- High degree of health and safety
- Warranty: At least 3 years
- Accessories:
 - I. Carrying case
 - II. Data transfer software
 - III. User manual

20. Digital Thermal Scanner - Full Body (with sensing to 3m and beyond)

- Compact and light weight design
- Tripod mountable
- Able to measure temperature from a distance of at least 3-5 mtrs
- Process single and multiple hotspots tracing and alarm
- Able to capture both thermal and digital camera image
- Will be able to measure temperature from 32⁰C to 42.5⁰C with a sensitivity of at least 0.08⁰C

- Images should have high resolution and high sensitivity
- Can be connected to a external monitor through video output
- Built in colour screen for thermal images 5-8 inch
- Software compatible with windows. Provide the outputs of thermal data and temperature data
- Operating temperature -10 +50⁰C
- Memory for data storage (expandable)
- Battery operated and works on external power supply
- Provide all configurations as per standard required
- Onsite installation and hands on training
- Warranty for 3 years and assured comprehensive onsite service for atleast 5 years
- Annual maintenance support for minimum 5 years.

21. Examination Gloves:

- **Size: Medium and Large**
- **Powdered**
- **Latex - ASTM D-3578**

For more details:

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