

ANNEXURE-1

Technical Specification

1. Personal Protective Garment

A) 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.

OR

B) 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 which Passes ASTM F1670.

Coverall shall be designed to be universal Fit

Preferable design to have Raglan Sleeves for easy donning & safe removal

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

Ideal length shall be 2" below knee

Soft elastic to be fitted at two levels, ankle and end

Sole of boot cover be made of anti-skid fabric

Bidders can quote either for Option 1 or Option 2. The total quantity requirement for Option 1 or Option 2 would be 10,00,000 nos

2. 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

3. 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

4. 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

5. 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
- B. EN14683

6. 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

***Each pair of gloves should be individually pack.**

7. 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°C to 42.5°C